CONSTRUCTION NEWS

Supplement to ENGNEERING NEWS. New York, August 18, 1910.

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Miscellaneous.
Barge Canal, Albany, N. Y.
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RAILWAYS.

*(*Denotes that this work is advertised in Engineering News.)*

ARANSAS TERMINAL RY.—A contract has been given to the BOWERS' SOUTHERN DREDGING CO., of Galveston, Tex., for work on the line under construction from Aransas Pass, Tex., southeasterly along the channel of the Aransas Pass & Dock Co. to deepwater, on the east side of Harbor Island. From the shore at Aransas Pass the line will pass over a solid fill, 9,000 ft. long, thence across Stedman Island, about 700 ft. It will then cross the old Corpus Christi channel on a 500-ft. trestle, thence over a fill about 1.5 miles long, crossing an arm of Corpus Christi Bay to Harbor Island, continuing on Harbor Island to the east side of the island. C. E. Corrigan is Ch. Engr., Box 183, Aransas Pass. Noted on May 19.

CANADIAN PACIFIC.—The contract for the line of the Canadian Pacific between Carmangay and Aldersyde, Alta., 26 miles in length, has been let to FOLEY, WELCH & STEWART CO., of St. Paul, Minn. The total length of the new short line from Calgary to Lethbridge is 56 miles. Thirty miles have been built, and the remainder, it is stated, will be completed by October. T. J. Brown is Res. Engr. Calgary, Alta.

CRYSTAL CITY & GARDENDALE.—We are officially advised that the Secretary of State, Austin, Tex., has granted a charter to the Crystal City & Gardendale R. R. Co., with a capital stock of $45,000. The railroad is to run from the junction of the International & Great Northern at Gardendale, La Salle County, to Crystal City, Zavalla County, the line to extend through La Salle, Dimmit and Zavalla Counties, a total distance of 40 miles. The incorporators are: Mason Williams, H. L. Howard, S. P. Brundage, Eli Howell, Adolph Groos, W. F. McCaleb, M. H. Townsend and others, of San Antonio, Tex.; and A. R. Ponder, of Crystal City. Ernest Braker is Ch. Engr., Garden City, Tex.; J. B. Franklin and J. H. Byrd, Bank of Commerce Bldg., St. Louis, Mo., are interested. Noted on July 7.

DENVER, NORTHWESTERN & PACIFIC.—Engineers are locating a line through Provo Canyon. Two other canyons have been mentioned as the possible route of the road into Utah Emigration at Salt Lake City, and Hobble Creek back of Springville. The original surveys were through the latter. H. A. Sumner, Denver, Colo., is Ch. Engr.

GREAT NORTHERN.—Plans prepared by Alexander Stewart, Asst. Ch. Engr., Seattle, Wash., for the reconstruction of a part of the main line of that road west of Wellington, in the Cascades, have been submitted to the members of the Washington State Railroad Commission. They include the construction of a tunnel at a lower level than the present one. The work under way at Wellington and west of that point will be completed by Dec. 1 and will cost nearly $1,500,000. A. H. Hogeland, St. Paul, Minn., is Ch. Engr.

HALIFAX & EASTERN.—The Nova Scotia Provincial Government has granted a charter to the Halifax & Eastern Railway Co. to build and maintain a railway from Dartmouth, Halifax Harbor, to Country Harbor, Guysboro County, with a branch line to the Intercolonial Ry. at or near New Glasgow. The construction work must commence by Sept. 1, this year, and the 216-mile line must be in full operation within three years or forfeit the government subsidy of $6,400 per mile. The materials and equipment must be of best quality, and purchased from Canadian producers, other things being equal. The officers are: Pres., J. B. Bartram, of Toronto, Ont.; Secy., pro tem, George E. Boak, of Halifax, N. S.; Gen. Mgr., T. B. Fogg, of Cincinnati, Ohio. Noted on June 30.

ILLINOIS CENTRAL.—A contract has been awarded to FURTWANGER & SMITH, of Birmingham, Ala., for building the proposed railroad line on 26th St. for the Illinois Central and Belt Line Railroads. A. S. Baldwin, Chicago, Ill., is Ch. Engr.

LAS CRUCES & MESILLA VALLEY.—Construction of the line from Las Cruces to Mesilla Park, four miles, will begin at once. Among those interested are Frank Rich, of El Paso; Isodoro Armijo, Clerk of Dona Ana County, N. Mex., and Samuel Reynolds, El Paso, Tex.

LOUISIANA.—A contract has been let to ERNEST H. JACKSON by the D. K. Jeffries & Co., lumber dealers, 6 Adams St., Chicago, who propose building six miles of railway in Concordia Parish, La. The line is to start at the Mississippi River, one mile north of Morville, and may be eventually extended to Jena, La. General office of the company will be in Natchez, Miss.

NORTH COAST R. R.—See Northern Pacific.

NORTHERN PACIFIC.—About $15,000,000 will be spent in development work in the Columbia River Valley between Beverly and Kennewick, Wash., within the next two years, according to advices recently received by J. J Rudkin, Mgr. of the Northern Pacific Irrigation Co., from an official of the Northern Pacific. All of this work will not be carried on by any one company, but several companies are interested in promoting the growth of this valley. It will include the building of the Kennewick Northern, which is to have joint use of the tracks of the Chicago, Milwaukee & Puget Sound from Beverly to Hanford, where they pass the Saddle Mountain gap to Priest Rapids. Active work is to begin on the new road Oct. 1. Robert F. Strahorn, of the North Coast R. R., will devote his attention to building the North Coast and developing power plant at Priest Rapids, and as soon as the main line is completed the North Coast will be extended up the Columbia to Beverly by way of Hanford, White Bluffs and Saddle Mountain gap. Noted on Sept. 3, 1909, under North Coast R. R.

ONTARIO.—Bids are asked by G. R. Geary, Mayor and Chn. Board of Control, Toronto, Ont., until noon, Sept. 6, for the following materials: 20,800 ft. of partly worn or relaying rail, 400 oak ties and 4,800 cedar ties, for construction of industrial tracks on the east bank of the Don River. C. H. Rust is City Engr.

PHILADELPHIA & READING.—The Department of Public Works of the City of Philadelphia will ask for bids at once, it is stated, for the abolition of grade crossings on the Port Richmond branch of the Philadelphia & Reading, between Somerset St. and the Port Richmond coal pockets. It is estimated that the work will cost about $4,000,000, to be divided between the city and the railway company. At the point where the grade crossings are to be abolished the Port Richmond branch runs parallel to East Lehigh Ave. Two tracks of the Philadelphia Rapid Transit Co. cross at grade at Frankford and Kensington Aves., and these lines may have to be diverted while the work is in progress. George R. Sterns is Dir. Dept. Pub. Works, Philadelphia; William Hunter, Philadelphia, is Ch. Engr., Philadelphia & Reading Ry.

RICHMOND, FREDERICKSBURG & POTOMAC.—Company has let contract to H. GEORGE for grading the roadbed to improve the belt line. The grade will be reduced from 1% to six-tenths of 1%, and concrete bridges will be erected at four highways to carry them over the railroad. It is estimated that the improvements will cost $180,000. S. B. Rice, Richmond, Va., is Engr. M. W.

SAN ANTONIO, BROWNSVILLE & TAMPICO.—J. F. Edwards has been elected Pres. to succeed A. B. Heddon, of New York, resigned. The HARRISON CONSTRUCTION CO. has the contract to build the road. Grading will begin soon at San Antonio, Tex.

SAVANNAH, AUGUSTA & NORTHERN.—A grading contract has been let to C. M. PURDUE, of Rocky Ford, Ga., for work on an extension of 15 miles. The bridge work and track laying are to be carried out by the company's men. The plans call for a line from Statesboro, Ga., northwest via Colfax, Bland, Portal, Aaron, Miley and Garfield to a point beyond Louisville, of which the first 25 miles is now in operation. Work on the extension will be light. Maximum grade will be 1% and maximum curvature 4°. Location work will be started this year for a further extension. Noted on March 31 and July 21.

ST. LOUIS, FORT SMITH & DALLAS.—It is expected to begin surveys about Sept. 1 and actual construction about Jan. 1, 1911. The road will extend from the Arkansas line across the river from Fort Smith, Ark., to Wilburton, a distance of 60 miles. M. C. Burke is a Director.

VIRGINIAN RY.—It is the intention to revise the grades and line between Harper and Cirtsville. H. Fernstrom, Norfolk, Va., is Ch. Engr.

ELECTRIC RAILWAYS.

PROVIDENCE, R. I.—The New York, New Haven & Hartford R. R. Co. is preparing further plans towards electrifying its line between this city and Boston, Mass. The double track from the tunnel bridge in East Providence is to be extended to East Junction on the main line. Official announcement of this improvement was made recently by E. G. Buckland, Vice-Pres., and it is understood that the work includes new bridges or the strengthening of old bridges and the abolition of a grade crossing at Rumford. Mr. Buckland's statement, however, was limited to the approval of plans for double tracking the old roadbed of the Boston and Providence between East Junction and the tunnel bridge, and he said that 100-lb. rails probably would be laid.

NEW YORK, N. Y.—The Public Service Commission has granted the Second Avenue R. R. Co. permission to electrify its line on Worth St., between Chatham Sq. and Broadway. The granting of the application, however, is conditioned upon the voluntary abandonment by the company of certain unused tracks in other streets and the confining of the electrification on Worth St., from the east side of Lafayette St. to Broadway to a single track. The order also permits the electrification of the Worth St. line by double track from Chatham Sq. to the east side of Lafayette St. The Second Avenue R. R. is now in the hands of a receiver, George W. Linch, who has been in charge since it was separated from the Metropolitan system in 1908.

ERIE, PA.—An application will be made by the Northwestern Traction Co., Erie, Pa., on Aug. 29, for a charter to build an electric railway in Pennsylvania. Incorporators: F. M. Wallace, Charles E. Shenk, E. G. Germer, M. H. Taylor, Charles S. Clarke, C. H. Strong, F. D. Schultz, George R Metcalf, R. W. Potter and S. C. Walker. James Burke, Pres. Fully noted on Aug. 4.

MONESSEN, PA.—The West Penn Rys. Co. is making active preparations for extensions in the neighborhood of Fayette City, Monessen, Belle Vernon, Webster and Charlerol. Right-of-way has been secured to connect these towns. J. L. Fritsch is Ch. Engr.; W. E. Moore is Gen. Mgr., Connellsville, Pa. Noted on Aug. 4.

WAYNESBURG, PA.—The Waynesburg & Blacksville Street Ry. Co. has been granted a certificate of extension by the Secretary of State to extend its lines from Waynesburg via Rogersville, Rutan, Graysville and Crow's Mill to the West Virginia State line, a distance of 26 miles; also from Graysville to Wheeling Creek and Templeton's Fork, thence across the divide near West Finley and to the State line, a distance of twelve miles; also from Waynesburg via Grimes to Ruffs Creek. Samuel Eakin, Wadestown, W. Va., is Pres. It is stated that actual construction on the line will be started by Sept. 1. The contract for 8,000 ties has been let to DAVID SMITH and the contracts for the grading will be let soon.

WHEELING, W. VA.—Joseph Speidel, Pres. of the City & Elm Grove R. R. Co., has announced that this company will drive a tunnel through Wheeling Hill from the head of 17th St. to Manchester, for the use of the Elm Grove division of the road. The tunnel will cut off about four miles of the distance from this city to Elm Grove and other points in the out-the-pike suburban districts. J. W. Smith is Gen. Mgr. and Ch. Engr.

COLUMBIA, S. C.—The Columbia Electric Street Railway, Light & Power Co. has made application to the City Council for a franchise to double track and extend some of its lines in Columbia. William Elliott is Gen. Mgr., Columbia.

SUMMIT, MISS.—The Summit-McComb Motor Line Co. has made application for a charter to build a 6-mile railway to connect Summit, McComb and Godbold Mineral Wells. Capital stock, $40,000. Officers: T. Blackmore, Pres. and Treas.; Dr. V. Simmons, Vice-Pres.; Clem V. Ratcliff, Secy.

FORT WAYNE, IND.—J. A. Harry & Son announce that they will soon let contracts for the construction of a traction road between this city and Warsaw. The engineers report that the estimated cost will be $1,000,000 or more.

DECATUR, ILL.—We are officially advised that the Decatur Southern Traction Co. has made necessary arrangements and contracts will be let about Sept. 15 to build this line from Decatur, Ill., south through Macon and Assumption to Pana, about 33 miles. There will be a bridge over the Sangamon River. Location surveys have been made and half of the right-of-way obtained. The capital has been secured. The work will be light. Franchises have been granted. R. McCalman is Ch. Engr., 318 Citizens T. & T. Bldg., Decatur. Noted on Feb. 17 and July 7.

MADISON, WIS.—The Chicago & Wisconsin Valley R. R. Co., Milwaukee, Wis., has awarded the contract for building its Madison-Stevens Point section to HORNADAY & CO. and the WESTERN INDIANA CONSTRUCTION CO., Indianapolis, Ind. Eventually, according to plans, the road will be built from Jamestown to Madison and from Stevens Point to Merrill. Financial backing will be available as soon as franchises and rights-of-way are secured for this railway to connect Janesville, Friendship, Easton, Portage, Lodi, Middleton, Madison and Merrill, 16 miles. Allen T. Russell is Mgr.

KANSAS CITY, MO.—St. Louis-Kansas City Electric Ry. Co. will let contracts Oct. 1 to build its railway to connect St. Louis and Kansas City via Blue Springs, Oak Grove, Odessa, Higginsville, Marshall, Arrowrock, New Franklin and Columbia, 250 miles. The line is to be double tracked. Maximum curvature is to be 4%. D. C. Nevins is Pres., Kansas City; W. B. Cauthorn, Columbia, is Ch. Engr. Fully noted on Aug. 4.

JOPLIN, MO.—Franklin Smith, who is promoting a gasoline motor line to connect Joplin, Mo., and Miami, Okla., has let the contract for the construction of this railway to the CLARKE MARSHALL CONSTRUCTION CO. Work will soon be started at Hattonville and proceed towards Joplin. The line will reach Bartlesville eventually.

DALLAS, TEX.—We are officially advised that the Trinity Valley Traction Co. plans to begin work on the proposed 120-mile railway next fall. It will connect Dallas, Waxahachie, Ennis, Corsicana and Palestine. Surveys have been made and right-of-way obtained. It is probable that contracts will be let in November. Power stations will be built at Dallas and near Corsicana. Headquarters, 304 Scollard Bldg., Dallas. Capital stock is to be $3,000,000. J. V. Watkins, 304 Scollard Bldg., Dallas, is Pres. and Gen. Mgr.; J. J. Sears, Aledo, Vice-Pres.; W. W. Clopton, Corsicana, is Secy.

AMARILLO, TEX.—Construction of a street car line from Polk St. to San Jacinto Heights, will start at once, it is stated. N. A. Brown has been granted the franchise by the City Council.

SAN DIEGO, CAL.—We are officially advised that construction began on June 15 for the line of the San Diego, El Cajon & Escondido Ry. Co. Bonds will not be authorized until ten miles of grade is built. The road will join the towns named in the title and will be 75 miles long. About 4/5 of the right-of-way has been secured and the surveys completed. There are three drainage systems to cross and the work will be mostly gravel grading and new. Both steam and electric trains will be operated. A. C. Riordon, San Diego, is Pres.; F. M. Fairchild is Ch. Engr.; G. U. Pursell, Timken Bldg., San Diego, is Gen. Mgr. It has not been determined when contracts will be let.

MOOSE JAW, SASK.—A. A. Dion and Newton J. Ker have been granted a 20-year franchise to build a railway in Moose Jaw, six miles long. John B. McRae, Ottawa, Ont., and Hector A. Dion will supervise the construction of the line. A contract has been awarded to the KETTLE RIVER PAVING & CONSTRUCTION CO., which is now paving the main street to lay the ties in the paved area.

LIGHT AND POWER PLANTS.

*(*Denotes that this work is advertised in Engineering News.)*

NORTH TONAWANDA, N. Y.—The TONAWANDA POWER CO., of North Tonawanda, has been awarded the contract by the city for lighting the streets for a term of three years, at $55 per arc lamp per year.

NEW YORK, N. Y.—Bids will be received by George McAneny, Pres. Boro. Manhattan, until 2 p. m., on Aug. 26, for the labor and material required for the installation of new electric elevators in the County Court House Building, City Hall Park, Boro. Manhattan, City of New York.

INDUSTRY, N. Y.—The bids received on Aug. 9, for electric feeder cables, poles and transformers at the State Agriculture and Industrial School at Industry, were: Wheeler-Green Electrical Co., Rochester, N. Y., $20,575; W. M. Sheehan & Co., New York, $23,165; Buffalo Electrical Contracting Co., Buffalo, N. Y., $25,989; Frost & Sheldon, Albany, N. Y., $26,400; Lord Electrical Co., New York, $27,834; F. P. Little Electrical Co., Buffalo, $35,500; Edward Joy, Syracuse, N. Y., $38,477. F. B. Ware is State Arch.

ROCKVILLE CENTRE, N. Y.—The Village Trustees have instructed the Village Clerk to ask for bids for the installation of a 1,000,000-gallon pump at the pumping station to be operated either by steam or electricity.

FRANKLINVILLE, N. Y.—Plans have been prepared by H. B. Sweet, Consulting Engr., of Utica, N. Y., for the installation of a new lighting system and rebuilding the distributing system of the Empire Electric Co., of Franklinville. It is reported that the company will be in the market for cedar poles, weather-proof copper wire, crossarms, line supplies and transformer, switchboard and tungsten lamps for street lighting system.

MENDHAM, N. J.—The Bernards Water Co., P. V. Brissler, Ch. Engr., of Bernardsville, N. J., has applied to the Borough Council for a franchise to furnish electricity here.

TRAFFORD CITY, PA.—The Westinghouse Electric & Mfg. Co., East Pittsburg, Pa., has decided to erect a new foundry here.

McKEESPORT, PA.—The School Controllers are considering a heating system to cost $10,000, for the new school to be erected in Crooked Run.

*WILKES-BARRE, PA.—See item under Bridges.

WASHINGTON, D. C.—Contract for the installation of a heating and power system for the Catholic University of America, Washington, has been awarded to the T. C. BASHER CO., of Baltimore. Equipment will include a Skinner automatic, high-speed engine, direct connected to a 275-KW. generator and water-tube boilers.

LYNCHBURG, VA.—The Special Board of the Virginia State Epileptic Colony, Dr. A. S. Priddy, Executive officer opened bids on Aug. 1 for a complete heating system, boiler, power and lighting plant, etc., and for a 4-in. pipe line connecting the colony with the Water main of the city, about 5,000 ft. in length. Contract has been awarded to the MORRISON MACHINERY & SUPPLY CO., of Richmond, at $7,000.

WILLIAMSTOWN, W. VA.—The County Court of Wood County has granted a franchise to the West Virginia-Ohio Gas & Fuel Co. to maintain a gas line from Williamstown to Parkersburg.

GREENVILLE, S. C.—The Home Light & Power Co., of Greenville, has been incorporated with a capital of $100,000, to build an electric plant. Noted on July 28.

ROYSTON, GA.—D. W. Brooks will construct a water-power-electrical plant on the Broad River at Brooks Shoals to furnish electricity for lighting and power.

CAIRO, GA.—It is proposed to install one 100-KW. generator and a 150-HP. engine in the municipal electric light plant within the next three months. Bonds for $6,000 have been voted. W. A. Clifford is Supt.

HAMPTON, GA.—The Hampton Cotton Mills is making preparations to equip its plant for electrical operation, replacing steam power. Contract for electricity for operating the mills, it is said, has been let.

STATESBORO, GA.—The Ogeechee River Electric Power Co. has been organized for three developments on the Ogeechee River to develop 16,000 HP. for transmission by electricity to Statesboro, Oliver, Millen, Rocky Ford, Sylvania, Waynesboro, Scarboro, Stillmore and Savannah. Estimated cost, $1,500,000. A. J. Brinson, Oliver, Ga., is Pres.; Orren Burke, Rocky Ford, Ga., is Vice-Pres.; O. H. Marsh, Oliver, is Secy.-Treas. D. G. Zeigler & Co., of Savannah, Ga., and Jacksonville, Fla., are Engrs.-in-Charge.

APALACHICOLA, FLA.—The Apalachicola Electric Light & Telephone Co. contemplates replacing the arc lamp street lighting system with tungsten lamps at the expiration of its present street lighting contract, which expires in the fall. J. F. C. Griggs and R. G. Porter are owners of the plant.

MONTGOMERY, ALA.—Improvements will be made to the plant of the Citizens' Light, Heat & Power Co., the control of which was recently purchased by Richard Tillis, of Montgomery, owner of the Montgomery Traction Co. J. G. White & Co., New York, have been engaged to prepare plans and supervise the work, which will include extensive additions to the power-house and extension of the transmissions lines to all sections of the city. Large steam turbines and other equipment will be installed. Estimated cost, $500,000.

THIBODAUX, LA.—The town is making arrangements for the construction of a new municipal electric light plant. The corporate limits have been extended and the present plant is inadequate to meet the demands for electrical service.

PULASKI, TENN.—The city is considering plans for increasing the output of the municipal electric light plant. H. M. Grigsby is Chn. Light Com.

GLASGOW, KY.—The Louisville, Lincoln Farm & Mammoth Cave Traction Co., J. M. Richardson, Pres., will, it is reported, construct a water-power-electric plant on the Green River.

OWENTON, KY.—John Smith and associates will erect a power-house to furnish electric power for proposed railway.

PERU, IND.—Bids will be received until 2 p. m., Sept. 7, by the Miami County Commissioners, for furnishing the gas and electric fixtures for the new court-house.

JACKSONVILLE, ILL.—Bids will be received by the Commissioners of the Meredosia Lake Drainage and Levee District at the office of C. W. Brown, Jacksonville, until Aug. 30 for furnishing and installing in the district in the west part of Morgan County one simple condensing, 4-valve engine with a rating of 114 HP.; one 72-in., horizontal tubular boiler, 18 ft. in length; one single suction, 24-in. volute pump, with a capacity of 15,000 gallons per min.; one surface condenser, with not less than 400 sq. ft. of condensing surface, together with suction and discharge pipe and other necessary auxiliaries. Plans and specifications can be seen at the office of C. W. Brown, Engr., Jacksonville.

PRINCEVILLE, ILL.—Bids will be received by the President and Board of Trustees, addressed to F. W. Cutler, Village Clk., until Sept. 5, for the purchase of the municipal electric light plant, including dynamos, engine, switchboards, transformers and all accessories, poles, wire, lamps and all other appliances. Bids should be addressed to F. W. Cutler, Village Clk.

DAVID CITY, NEB.—See item under Water Supply—Irrigation.

CASSELTON, N. DAK.—The Union Light, Heat & Power Co., of Fargo, N. Dak., is contemplating the installation of an electric light system here. Electricity for operating the system will be transmitted from Fargo.

CHEYENNE, WYO.—The Northern Colorado Power Co. has appropriated $50,000 for improvements to the plant and service here. Among the improvements contemplated by the company is the power service for irrigation pumps. C. H. Williams is Mgr., Denver, Colo.

MISSOULA, MONT.—The Bitter Root Power & Electric Co. has been organized with a capital of $2,000,000 to develop the water power of Rock Creek in Granite County. The company has acquired water rights and appropriations of 80,000 miners ins. of the waters of the creek, putting it in complete control of all the water of the creek. A. A. Weston, of Denver, Colo., is Pres.; Frank A. Smith, of Chicago, Ill., is Vice-Pres. and Treas.

OZARK, ARK.—The Ozark Light & Power Co. is contemplating a change in its system to 2-phase, 60-cycle and will also install producer gas units. R. B. Bryant is Mgr.

GRANNIS, ARK.—John P. Logan and A. Coyle, it is reported, are interested in a project to organize a company to establish an electric light plant here.

HOT SPRINGS, ARK.—The OTIS ELEVATOR CO., of New York, has been awarded contract for installing an electric elevator in the hospital at Hot Springs, at $9,984.

*HAMBURG, ARK.—See item under Water Supply—Irrigation.

FLATONIA, TEX.—T. M. Spinks and F. C. Bolton will erect a combination electric light, water-works and ice plant, the electrical equipment to be about 50 KW. capacity. F. C. Bolton, College Station, Tex., may be addressed.

LAREDO, TEX.—Preliminary steps have been taken towards the establishment of a large electric power and transmission project in the southwest at a point about 36 miles above Laredo on the bank of the Rio Grande by a syndicate headed by H. A. Stucky. The proposed plant will be located in the center of a coal field embracing 45,000 acres which is owned by Mr. Stucky and associates. The coal screenings will be used to generate power which is to be conveyed to Laredo, Carrizo Springs, Cotulla and a number of towns and cities of Mexico.

HOUSTON, TEX.—The William M. Rice Institute, Edgar Odell Lovett, Pres., will soon ask bids for the construction of the proposed power plant.

BROWNSVILLE, TEX.—Contract was awarded on July 29 by the City Council for additional machinery for the electric light and water plant, consisting of double dynamos, pumps and engine. Contract for electrical machinery was secured by the WESTINGHOUSE ELECTRIC & MFG. CO. and contract for machinery for the water plant was let to the HARRISBURG FOUNDRY & MACHINE WORKS. Estimated cost, $18,500.

FALLS CITY, ORE.—W. E. Newson, proprietor of the Falls City electric light and power plant is making preparations for the construction of a new power-house.

ROSEBERG, ORE.—J. L. & S. A. Kendall have awarded to the ALLIS-CHALMERS CO. of Milwaukee, Wis., contract for a 20 x 36 in. Reliance type, heavy-duty engine to be used in their hydro-electric plant here.

ALAMEDA, CAL.—Bids have been submitted to the city for supplying electricity for day service as follows: The Great Western Power Co., minimum amount of 175-KW. at 1 ct. per KW.-hour, and all in excess of that amount at 1½ cts. per KW.-hour; Pacific Gas & Electric Co., 1 ct. per KW.-hour and 3 cts. per KW.-hour for emergency service.

BOCA, CAL.—Surveys are being made along the Truckee River around here with a view to constructing a large power plant. The Truckee River will be tapped above Boca and a long tunnel built through the mountain south of the river to carry the water, which will be turned back to the river about a mile below here. It is estimated that 10,000 HP. will be developed, which will be transmitted to Reno and other cities along the Truckee River, for lamps and motors. E. W. Hopkins, Pres. Union Ice Co., is interested.

SOUTH PASADENA, CAL.—The Board of Trustees has awarded contract to the PACIFIC LIGHT & POWER CO. for installing a tungsten series street-lighting system, comprising 550 lamps of 40 c. p. to replace the present 16-c. p. incandescent lamps. The rate for energy is to be 7 cts. per KW.-hour, with a minimum charge of $200 per month.

SAN FRANCISCO, CAL.—Contract for the construction of an electric light system at the Presidio, San Francisco, Cal., has been awarded to the DECKER ELECTRIC CO., of San Francisco, at $46,000.

STOCKTON, CAL.—San Joaquin County is planning an independent power plant. The Supervisors have instructed Frank C. Quail, County Engr., to prepare plans and estimates for an electric lighting plant to furnish electricity for lighting the jail and court-house. It is believed that the amount of funds necessary for the plant is available.

LOS ANGELES, CAL.—The Pacific Light & Power Co. has awarded contract to the STANDARD ENGINEERING CO. for high and low pressure steam piping, in the company's new plant at Redondo Beach, consisting of high pressure piping for steam; high pressure drip; boiler feed piping; blow-off piping; steam piping for oil burners; boiler water cleaning line; step bearing oil pump discharge, and guide bearing pump discharge; low pressure piping to consist of auxiliary exhaust, water supply, heater vents and drains, hot well pump suction and discharge, air pump suction and discharge, oil lubricating system, oil filter and air pump cooling lines; oil piping to burners, and compound air line; crane valves, etc.; Ford, Foster or Fisher regulating valves; Davis metallic packing. Estimated cost, $30,000. J. G. White & Co. are Engrs.

LONG BEACH, CAL.—H. W. Dennis, Ch. Engr. Southern California Edison Co., has prepared plans for a portion of the work in connection with the erection of the steam generating plant at Long Beach. The work includes the foundations for the building and machinery, salt water intake and adjacent retaining wall, intake conduit, discharge conduit and protecting structure. The foundation will be for a building, one portion of which is 82 x 221 ft. and the other 145 x 72 ft. The conduit will be 900 ft. long, 6½ x 6 ft. and constructed of concrete. The concrete retaining wall will be 218 ft. long with a 10-ft. base, ten feet high and 14 ins. thick. Estimated cost, $125,000.

MERCED, CAL.—The San Joaquin Light & Power Co. is preparing to rebuild the entire electric lighting system here. An agreement has been reached whereby the company are to build power lines throughout Hartley Colony and deliver powee to every quarter section. E. J. Crawford is Supt., Fresno, Cal.

PHOENIX, ARIZ.—The stockholders of the Salt River Valley Water Users' Association have declared in favor of a land tax of $900,000 with which three power sites and canal extensions will be built. Louis C. Hill, Engr. United States Reclamation Service, is preparing plans. The association will build three power plants on sites already prepared for them on the Salt River below Roosevelt dam, which will furnish 18,000 HP. There are other sites available, which will increase total production to 25,000 HP.

CHARLOTTETOWN, P. E. I.—Bids will be received until Sept. 10, by W. W. Clarke, City Clk., for supplying the city with electric light for street and commercial purposes. Bids to state price and illuminating capacity per lamp for street lights and rate per K.W. hour for commercial lighting.

MEDICINE HAT, ALTA.—Bids will be received by the city addressed to D. Milne, Mayor until Sept. 1, for furnishing two direct connected gas engine-driven 125 K.W. alternating current units, each engine to be capable of delivering not less than 200 B.H.P. on natural gas of 1,100 B.T.U. per cu. ft. M. A. Maxwell is Consulting Engr.

VANCOUVER, B. C.—The ELECTRICAL CONSTRUCTION CO., has been awarded contract for installing ornamental street lighting here at $15,940. Contract for lamp standards has been let to the ROSS & HOWARD IRON WORKS, at $45 each.

TOLUCA, MEX.—The Sultepec Electric Light & Power Co., of Toluca, is preparing to install one 800-KW., 2,200-volt, 3-phase, 60-cycle generator and a 1,200-HP. turbine at its Temascaltepec station. R. J. M. Danley is Mgr.

BRIDGES.

(*Denotes that this work is advertised in Engineering News.)

BELLERICA, MASS.—On Aug. 2 the citizens voted to appropriate funds for the construction of a reinforced-concrete bridge over the Concord River at Faulkner St., North Bellerica. Charles H. Kohirausch is Moderator.

MILFORD, CONN.—The Selectmen have let contract for constructing the new bridge over the Wopowage River, up toward the Orange line, to PHILO TRUMAN.

OSWEGO, N. Y.—The following bids were opened on Aug. 2 by Chairman County Bridge Commission, for constructing a bridge over Oswego River at Bridge St.; United Construction Co., of Albany, $94,700; Maximillian P. Andelfinger of Oswego, $103,444; Groton Bridge Co., $199,844.

NEW YORK, N. Y.—Contracts for replacing floor beams, stringers, etc., on the steel superstructure of the Manhattan bridge over the East River between the Borough of Manhattan and Brooklyn has been awarded by Department of Bridges to the OSCAR DANIELS CO., 38 Park Row, New York, at $22,850. Bids were opened on Aug. 4. List of bidders noted on Aug. 11.

Contract for completing the new Pelham, the bridge over Eastchester Bay, Pelham Bay Park Borough of Bronx has been awarded to the SNARE & TRIEST CO., 143 Liberty St., at $32,966.

UNIONTOWN, PA.—Bids will be received until Aug. 25 by the Board County Commissioners, Uniontown, J. S. Langley, Chn., for construction of a bridge over Georges Creek, superstructure to be of steel, 70 ft. in the clear and to consist of one span, 14-ft. roadway. Bids will also be received at the same time for the masonry for the bridge.

BEAVER, PA.—Bids will be received until 10 a. m., Aug. 20, by the Board County Commissioners, at Beaver, Stanton F. Ewing Chn. for constructing a concrete bridge over Crow's Run, near Wallace City, New Sewickley Township.

*WILKES-BARRE, PA.—Bids will be received by James M. Norris, County Comptroller Luzerne County, at his office Wilkes-Barre, until noon, Sept. 8, for furnishing all labor and material and completing ready for use in accordance with plans and specifications on file, to the satisfaction and acceptance of the County Commissioners and their Consulting Engineers, parts of one bridge over the Susquehanna River, between the Borough of Plymouth and the Township of Hanover as follows: (1) Seven river piers complete ready for use, including sheet piling, pile foundation and reinforcement; (2) Six steel river spans complete ready for traffic, including granolithic sidewalk, paved concrete roadway, and hand rail; (3) Reinforced concrete viaduct approaches, complete with foundations, granolithic sidewalks, paved concrete roadway and hand rail; (4) Rolled earth fill complete ready for use, including macadam paving and hand rail; (5) electric wiring complete for the entire bridge, including junction and switch boxes, wiring, transformers, lamps and ground connections, all erected ready for use; (6) the entire bridge ready for traffic, in accordance with plans and specifications, including all of items (1) to (5) inclusive.

MERCER, PA.—The County Commissioners have awarded contracts for the [illegible] ments for four bridges in various [illegible] the county as follows: Cook bri[illegible] Hickory Township, F. D. PATTON, $5.4[illegible] Seidel bridge, Jefferson Towns[illegible] perch; PATTON, $5.60; McMillan br[illegible] H. L. Creek Township, G. W. SMOCK, [illegible] Otter bridge, Salem Township, H. L. [illegible] 10; Fritz $4.45. PATTON.

FREDERICK, MD.—The Board [illegible] County Commissioners of Frederick Cou[illegible] on Aug. 3 awarded to the YORK BRID[illegible] CO., of York, Pa., the contract for the [illegible] tion of an iron bridge across the Mono[illegible] River at Biggs Ford, on the road lea[illegible] from Walkersville to the Emmitsburg [illegible] ke, at $5,595.

BALTIMORE, MD.—We are off[illegible] ly advised that bids were opened on A[illegible] 10, by the city for the proposed bridge [illegible] Popular Grove St. as follows: RAYMOND C[illegible] RETE PILE CO., 722 East Pratt St [illegible] $33,005 (awarded contract); Baltimore [illegible] o-Concrete Co., 16 St. Paul St., $33,5[illegible] Baltimore Bridge Co., Bush St. & B. & [illegible] R. R., $33,582; United Engineering Co. [illegible] 34,068. B. T. Fendall is City Engr.

The Baltimore & Ohio R. R. Co [illegible] A. W. Thompson, Ch. Engr., Charles St. an[illegible] Baltimore St., has awarded contract to [illegible] Mc-LEAN CONTRACTING CO., Maryla[illegible] Trust Bldg., Calvert & German Sts., for t[illegible] erection of a steel and concrete bridge [illegible] Hamburg St. over the Baltimore & O[illegible] R. R. tracks.

COLUMBUS, OHIO.—D. W. McGRA[illegible]H has been awarded contract by the A[illegible]erican Bonding Co., for the completion [illegible] the Mound St. viaduct at $48,000. Fo[illegible] per cent. remains to be completed.

CINCINNATI, OHIO.—Bids will be received at the office of the Board of County Commissioners until noon Sept. 2, for the following county work: Under Specification No. 86, for construction of bridges and approaches thereto on the Brierly Creek Road in Green Township. Fred Drehs is Clk.

ZANESVILLE, OHIO.—Plans and specifications for the new Fifth St. bridge were submitted to the County Commissioners on Aug. 3 by J. A. Stewart, Engr., of Cincinnati.

JASPER, IND.—The Commissioners of Dubois' County will receive bids until Sept. 6 for the construction of ten new bridges.

SHELBYVILLE, IND.—The Commissioners of Shelby County, will receive bids until 10 a. m., Aug. 29, at Shelbyville, for the construction of four bridges. G. B. Huntington is County Audr.

RUSHVILLE, IND.—Bids will be received until 2 p. m., Aug. 20, by the Commissioners of Rush County at Rushville for the construction of a 55-ft. concrete arch in Washington township. J. M. Stone is County Audr.

ROCKVILLE, IND.—The Parke County Commissioners have awarded contract for erecting the Coxville bridge to J. P. VANFOSSEN, of Mansfield, at $5,865.

SPRINGFIELD, ILL.—Bids were opened on July 30 by the Road & Bridge Commission of the Board of Supervisors of Sangamon County, and the Commissioners of Highways of Springfield Township, at the law office of James Reilly, 110½ North Fifth St., Springfield for the construction of a 20-ft. roadway concrete bridge with a 147-ft. span over Spring Creek, on Walnut St. Road. Contract has been awarded to C. A. WEAVER & SONS, of Clayton, at $7,205.

ALGONQUIN, ILL.—Contract has been awarded to H. S. WETHERELL, at $4,850, for removing the present bridge from Main St. and placing it at Harrison St. and for constructing a new bridge with concrete floor and walks on each side on Main St. Other bidders were: Continental Bridge Co., $5,600; Illinois Bridge Co., $7,040, (including a concrete arch).

LEAVENWORTH, KAN.—Bids are asked until noon, Sept. 5, by T. W. Niehaus, County Clk., for constructing bridge No. 61, known as McQuillen bridge and bridge No. 2, known as Wilkens bridge, and replacing bridge No. 20.

ALMA, KAN.—Bids are asked until noon Aug. 29, by the Waubaunsee County Commissioners for constructing a bridge across the Kan River at Sweeney Crossing in Kaw Township. C. C. Stotler is County Clk.

ST. JOSEPH, MO.—Plans for constructing a bridge across the railroad crossings in South Sixth St., from Olive to Monterey Sts., submitted by the Seitz-Peterman Engineering Co. to the Mayor and City Council on Aug. 2, contemplate the construction of a viaduct one-half mile long. Estimated cost, $750,000 to $1,000,000.

ST. LOUIS, MO.—The RAYMOND CONCRETE PILE CO., 90 West St., New York and 135 Adams St., Chicago, has been awarded contract for placing 1,021 Raymond concrete piles in the foundations of the piers for the Kingshighway viaduct here.

VISALIA, CAL.—OSCAR PARLIER, of Tulare, has been awarded contract for constructing the concrete bridge over Mill Creek at $8,610. List of bidders noted on Aug. 11.

SAN JOSE, CAL.—Bids will be received until 11 a. m., Aug. 22 by the Board County Supervisors, Henry M. Ayer, Chn. for constructing reinforced concrete bridge over the gulch near Tevis Place on the Dougherty Road.

WESTON, ONT.—Bids will be received until noon, Aug. 24, by the county for filling and grading the approaches to a concrete bridge over the Humber. Barber & Young are County Engrs., 57 Adelaide St. E., Toronto.

BROCKVILLE, ONT.—Bids will be received until Aug. 22, for the superstructure and substructure of three steel highway bridges and one concrete arch. E. R. Blackwell, C. E., is Road Engr.

OTTAWA, ONT.—MACKENZIE, MANN & CO. have been awarded contract by the Department of Railways and Canals, Ottawa, for the substructure of the bridge over the Saskatchewan River at The Pas, at $100,000.

EDMONTON, ALTA.—JOHN GUNN & SONS, of Winnipeg, have received contract for the construction of the Canadian Pacific Ry., high level bridge across the Saskatchewan River. This bridge will be 2,800 feet long, and 156 ft. wide. Estimated cost, $4,000,000.

*QUEBEC, QUE.—The time for receiving bids for the superstructure for the Quebec bridge, advertised to be received until Sept. 1, is extended for one month until Oct. 1. L. K. Jones is Secy. Dept. Railways and Canals, Ottawa, Ont.

BUILDINGS.

*(*Denotes that this work is advertised in Engineering News.)*

ITHACA, N. Y.—Bids are asked by E. L. Williams, Treas. Cornell University, Ithaca, N. Y., until 3 p. m., Aug. 25, for an addition to the northeast wing, including construction, plumbing, heating, ventilating and electric work. F. B. Ware is State Arch.

ROCHESTER, N. Y.—The New York Central & Hudson River R. R. Co. has completed plans for a passenger station of stone, brick and steel, with interior finish of marble and floors of tile, to be erected at Clinton Ave. North and Central Ave., at an estimated cost of $1,000,000. Claude F. Brayton is Arch., Cutler Bldg., Rochester.

NEW YORK, N. Y.—The Janpole & Werner Construction Co., 206 Broadway, owners, and P. R. Moses, 43 West 34th St., Consulting Engrs., will be ready to take figures soon on all contracts and materials for the 12-story apartment house, for 50 families, 100 x 150 ft., to be erected at the southeast corner of Park Ave. and 78th St., to cost $1,200,000. George & Edward Blum, 505 Fifth Ave., Archs., have completed plans.

The Corn Exchange Bank, 13 William St., New York, has awarded to JOHN T. WOODRUFF & SONS, 69 Third St., Long Island City, the contract to erect the 3-story bank building, brick and terra cotta, 60 x 70 ft., at Academy St. and the Bridge Plaza, Long Island City. Plans are by Dennison & Hirons, 475 Fifth Ave., New York, and the estimated cost is $40,000. William A. Nash is Pres.

The general contract has just been awarded to JOHN AUER & SONS, 648 Lexington Ave., Brooklyn, for the 4-story theater, 130.7 x 200 ft., to be erected on the block bounded by Broadway and Howard Ave., Monroe and Madison Sts. The Orpheum Co. is the owner, and William H. Mackfatrick, 1404 Broadway, New York, is Arch.

George & Edward Blum, 505 Fifth Ave., are preparing plans for an apartment house to be erected at 12 East 87th St. which will cost $300,000. This apartment will be eight stories high and will have only one large suite to the floor. It will occupy a plot, 75 x 100 ft., and will overlook Fifth Ave.

NEW YORK, N. Y.—Bids are asked by R. Waldo, Fire Comr., until 10.30 a. m., Aug. 25, for furnishing all the labor and materials required for repairs and replacements to building of engine company 138, located at 175 Norman Ave., Greenpoint.

The general contract for the store building to be constructed for the Hardman Peck Piano Co., 138 Fifth Ave., at 433 Fifth Ave., has been awarded this week, to J. ODELL WHITENACK, 231 West 18th St. The building will be six stories with a facade of light-colored brick and limestone, measuring 25 x 125 ft. No sub-contract has yet been placed. F. C. Stewart, 103 Park Ave., and Harry Allen Jacobs, 320 Fifth Ave. are Associate Archs.

Plans for the new Washington Irving Girl's High School, to be erected on the east side of Irving Pl., between 16th and 17th Sts., have been filed with the Superintendent of Buildings. The building will have a frontage of 184 ft. on Irving Pl. by 183.4 ft. on 16th St. and 166.6 ft. on 17th St., and will be eight stories high, or 132 ft. from the street level. The facade will be of brick and limestone, with entrances on both streets the main entrance being on Irving Pl., which will be ornamented with four Ionic columns two stories high. Twelve columns of the same height and of the Tuscan style of architecture will ornament the rest of the Irving Pl. facade at the first and second stories. There will be 16 Tuscan columns on each street facade at the first and second stories making a total of 48 columns ornamenting the building. There is to be an open court from the second floor up for light and ventilation. The building will have 82 class-rooms and will accommodate 3,000 pupils the basement being equipped with a gymnasium and heating and ventilating plant. C. B. J. Snyder, Arch., and Supt. of School Bldgs., Dept. of Education, estimates the cost at $600,000. The estimated cost of the building when completed has been placed at $1,131,106, which includes furniture and fixtures.

JACOB A. ZIMMERMANN, 505 Fifth Ave. has secured the contract for mason work on the 16-story fireproof store and loft building, 103 x 98 ft., from plans by Louis Korn, Arch., Fifth Ave. and 34th St., to be erected at 20 to 26 West 22d St. by the Twenty West Twenty-second Street Realty Co.. The structure will cost about $600,000 and contain four electric elevators, mail chutes, sprinkler system and all other modern improvements.

NEW YORK, N. Y.—Bids are asked by the Department of Public Charities until noon, Aug. 29, for furnishing all the labor and materials required for painting the roof of the City Hospital, Blackwell's Island, the City of New York; for furnishing all the labor and materials required for making alterations in the Infants' Hospital, School for Feeble-Minded Children, Pavilion A, laundry, office building and school building, Randall's Island, the City of New York.

ATLANTIC CITY, N. J.—JAMES G. DOAK & CO., 1240 Chestnut St., Philadelphia, have been awarded the contract for the rection of a $70,000 addition to the St. Charles Hotel, Atlantic City. It will be a 15 story brick, terra cotta and concrete structure, 71 x 121 ft. Hewey & Paiste are Archs.

MAYS LANDING, N. J.—Plans have been prepared for improvements to the Atlantic County jail and Clerk's office, for which a bond issue of $60,000 was recently authorized.

PHILADELPHIA, PA.—Ground has been broken for a church for the Bethany Presbyterian Temple, at 43d and Spruce Sts. It is to cost $60,000. Rev. Dr. Asa J. Ferry, Pastor.

Plans by Anderson & Haupt for a 4-story and basement flat house to be built at the southwest corner of 51st and Walnut Sts., were filed with the Bureau of Building Inspection. The building will be of brick and terra cotta, 84.9 x 155 ft. in dimensions and will contain 24 6 and 7-room suites each with a bath. The cost will be about $100,000.

Stuckert & Sloan have let the contract for the construction of a slow-burning warehouse, 339 North Third St., for Charles Hale & Bro., to the PHILIP HAIBACH CONTRACTING CO., 26th and Thompson Sts.

EASTON, PA.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., until 3 p. m., Sept. 20, for the construction complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Easton.

PITTSBURG, PA.—Ground has been broken for the proposed church for the Fourth Ave. Baptist Church. The architecture is to be Gothic and the cost $300,000. The building will face Bellefield Ave., with the chapel and Sunday School rooms facing Bayard St. The auditorium will seat 900 and the Sunday School room 600, the two being so arranged as to be thrown together.

The contract has been let to MURPHY BROS., Sixth Ave. and Wood St., for a brick warehouse on Eighth St., below Penn Ave., for the L. H. Smith Co.

Plans for a building on Chatham St., next to the Y. W. C. A. building, have been drawn by D. A. Crone, Arch., Conistoga Bldg. It is to be erected by Heller & Perrin, who recently purchased the property. The lot is 40 x 96 ft., and the building to be erected is to be a 5-story steel column and brick structure with concrete foundation.

A warehouse is to be built by Haugh & Keenan at Center and Euclid Aves. Through the Commonwealth Real Estate Co. the storage company secured a lot measuring 50 x 150 ft., running through to Commerce St., on which the new building will be located, at a cost of about $250,000. F. J. Osterling, Arch., Commonwealth Bldg., is at work on the plans for the building, which is to be fireproof and of steel and reinforced concrete construction. The building is to be twelve stories high and is to have an aggregate storage space of 2,000,000 cu. ft. As soon as the plans are completed ground will be broken for the erection of the building.

CLARKSBURG, PA.—We are officially advised that the Masonic Temple Association will build a 5-story structure, 47.6 x 155 ft., of brick, wood, stone and terra-cotta. Edwin E. Pruit, Y. M. C. A. Bldg., is interested; D. K. Reed, Clarksburg, is Secy.

ROSEMOUNT, PA.—The PENNOCK STEVENS CONSTRUCTION CO., 50 Church St., New York, has been awrded the contract for the erection of 75 bungalows at Rosemont, Pa., at a cost of $600,000.

ERIE, PA.—Shattuck & Hussey, 153 LaSalle St., Chicago, Ill., Archs., are receiving estimates until Aug. 23, for a building at Erie, Pa., for the Y. M. C. A., of Erie to be seven stories, 70 x 150 ft. and cost $175,000. It will be of steel, tile and pressed brick construction, with terra cotta and stone trim, steam heat, marble, mosaic and tile work, to contain dormitories, billiard room, library, gymnasium, natatorium and rest rooms.

BALTIMORE, MD.—The BENJAMIN F. BENNETT BUILDING CO., 123 South Howard St., has been awarded the contract by the Fifth Regiment Veteran Corps, to erect an armory and drill hall, at 1112 Madison Ave. It will be two stories high with stone trimmings, electric lighting and steam heat.

Behman's Hall, 856 North Howard St., will undergo alterations, improvements, etc. Five alcoves are to be erected in front, while the facade of the main entrance is to be of ornamental tile, marble and plaster work. The entire front will be of pressed brick with stone trimmings; the interior is to be remodeled with new decorations and painting.

A. C. Meyer & Co., 118 West Lombard St., have commissioned Mottu & White, Archs., 322 North Charles St., to prepare plans for the proposed warehouse at the southeast corner of Lombard and Hanover Sts., to take place of the building now occupied by H. P. Chandlee & Sons. It will cost $50,000.

ISRAEL SILBERSTEIN, 818 Equitable Bldg., has been awarded the contract for the erection of an apartment house on the northeast corner of Brookfield and Whitelock Sts. for the New Era Realty & Construction Co., from plans by Louis Levi, Arch., 610 American Bldg. The building will be of brick and stone, semi-fireproof, three stories high, 67 x 67 ft., and will cost about $40,000.

BALTIMORE, MD.—EDWARD WATTERS & CO., 532 St. Paul St., have been awarded the contract to erect a store and office building at the northeast corner of Charles and Franklin Sts., for Thomas O'Neill, Charles and Saratoga Sts. The company's bids was $75,500 and work of the construction will begin at once. The building will be on the site of the old Athenaeum Club. It will front 62 ft. on Charles St., and 142 ft. on Franklin St.

HYMAN S. RIPPEL, 7 Clay St., has been awarded the contract to erect a 6-story warehouse at Mosher and Elm Sts., for the International Harvester Co., care of W. H. Tudar, 34 East Pratt St. The bid was $75,500. The plans for the proposed structure, which have been completed by W. G. Offendel, Arch., of Chicago, call for a structure which will have a front 120 ft. by a depth of 125 ft. Electric elevators will be installed. Steam heating and electric lighting are to be installed. The work of digging the foundation will now begin at once.

Owens & Sisco, Archs., Continental Bldg., have completed the plans for the proposed office building, to cost $50,000, for the American Agricultural Chemical Co., care of W. W. Baker, 710 Equitable Bldg. The structure will have five stories, of brick and stone and will be fireproof, 20 x 83 ft. C. L. Reeder, Equitable Bldg., is Engr.

Joseph Evans Sperry, Arch., Calvert Bldg., has prepared revised plans for the department store addition to be erected on Howard St., at Lexington, by Hochschild, Kohn & Co. The structure is to be eight stories high and will measure 100 x 52 ft. It will be of brick construction and fireproof. Henry Adams is Engr.-in-Charge.

WASHINGTON, D. C.—The Secretary of the Treasury is considering the estimates of appropriations necessary for operating the Government in the next fiscal year and the architectural plans for the new building for the Departments of State, Justice and Commerce and Labor, and the Washington post-office. It is probable that the plans for the buildings will be opened to public competition. On the three department buildings about $8,000,000 will be expended and $3,000,000 has been authorized for the new post-office, which is to adjoin the Union Station. James Knox Taylor is Superv. Arch., Treasury Dept., Washington, D. C.

WASHINGTON, D. C.—The contract for the erection of the proposed clubhouse of the Chevy Chase Club has been awarded to the PAGE CONSTRUCTION CO., Hibbs Bldg. The cost will be $100,000. It is expected the work of construction will be begun at once. The new building is to be placed to the north of the present clubhouse and about on a line with it, and when it is finished the old building will be removed.

The old building at the northeast corner of Eleventh and H Sts., N. W., has been removed and on that site is to be erected five 2-story stores from plans prepared by B. Stanley Simmons, Arch., 931 F St. The same architect prepared plans for the six 2-story store buildings at the northwest corner of 14th and Irving Sts.

KEY WEST, FLA.—Bids are asked until noon, Sept. 6, by the Secretary of Agriculture, Washington, D. C., for the completion of a reinforced concrete observatory building for the Weather Bureau, U. S. Dept. of Agriculture, at Sand Key, Fla.

MEMPHIS, TENN.—A permit has been granted to the MURCH BROS. CONSTRUCTION CO., for constructing a union station for the Union Station Co. The permit provides for the erection of a 3-story depot building, of brick and stone, concrete foundation and tile and concrete roof, at Second St. and Calhoun Ave., at a cost of $600,000.

SANDUSKY, OHIO.—Bids will be received by the Board of Trustees of the Soldiers' and Sailors' Home at Sandusky, until Sept. 7, for the erection of nurses' cottages and a warehouse in accordance with the plans and specifications prepared by Frank L. Packard, Arch., Hayden Bldg., Columbus, Ohio. The plans are on file at the office of the Commandant, Gen. W. R. Burnett; J. L. Cameron is Secy. of the Board of Trustees.

COLUMBUS, OHIO.—The Knights of Pythias of Columbus will erect a fireproof 10-story office building, 62½ x 187½ ft., to cost $500,000.

Jacob S. Goldsmith, Arch., Wyandotte Block, has prepared plans for a 3-story bank and office building for the Buckeye State Building & Loan Co., on West Gay St., where the Munich cafe is located. The building will have a frontage on Gay St. of 41 ft., will be 95 ft. in depth, and is to be fireproof. The first floor will be used for banking purposes, the second for offices and the third for an assembly hall. The basement will be used for safety deposit vaults.

A contract has been let to NICHOL & CARR, of Columbus, who were the low bidders for the erection of a freight house for the Toledo & Ohio Central Ry. Co. on West Broad St., at $64,300. J. A. Stocker is Ch. Engr., Columbus.

The Central Ohio Paper Co., East Gay St., will soon begin the construction at Gay and Young Sts. of a 5-story reinforced concrete paper warehouse. The plans for the new structure have been drawn by Otto Darst, Arch., Brunson Bldg. The construction of the building will be started at once so as to have it completed by December.

AKRON, OHIO.—The Osborn Engineering Co., Osborn Bldg., Cleveland, having in charge the engineering work on the buildings of the B. F. Goodrich Co., has given out contracts for one of them. The contracts were given to HUNKIN-CONKEY CONSTRUCTION CO. for the general work and to T. H. BROOKS & CO., 3104 Lakeside Ave., Cleveland, for the steel work. The building will have five stories and will be constructed in the form of a hollow square, 500 x 100 ft. The construction will be of reinforced concrete with brick walls.

DETROIT, MICH.—Norral Wardrop, 272 Woodward Ave., has let the general contract for an addition to St. Mary's Hospital, 242 Antoin St., to CHARLES A. DE COSTER, 139 Lucester Ave.

Harry C. Stevens, Arch., 1004 Brush St., has let the general contract for a 4-story and basement apartment building, 50 x 103 ft., containing 24 apartments, for Thomas T. Hollinger, 1032 Oakland Ave., to F. J. WHITNEY, 330 Warren Ave., West. Cost, $40,000.

*DETROIT, MICH.—The Conners Bros. Co., of Lowell, Mass., desires to let the sub-contract for laying fireproof partitons in a 3-story building at Detroit, Mich. The company will furish all material.

KALAMAZOO, MICH.—J. C. Llewellyn, 164 Dearborn St., will receive bids on a 6-story building, 130 x 100 ft., to cost $300,000, at Kalamazoo, Mich., for J. H. Burke. It will be of reinforced concrete, steel and tile construction, with steam heating, electric passenger elevators, marble, mosaic and tile work.

CHICAGO, ILL.—J. C. Llewellyn & Son, Archs., 164 Dearborn St., will prepare plans for a $75,000 fireproof building for the Board of Education. W. J. Mack is Chn. Bldg. Com.

A. S. Alschuler, Arch., Steger Bldg., has let the roofing to D. M. RICHARDS ROOFING CO., 238 31st St., and sheet metal work to RYBBON & CO., for a building for Spiegel, May, Stern Co., at Mosspratt and 35th St., four stories, 125 x 180 ft., to cost $125,000.

The same architect is receiving estimates on a 4-story warehouse, 95 x 200., at 35th and Loomis Sts., for Strauss & Schram. It will be of brick and mill construction, fireproof, with steam heating.

CHICAGO, ILL.—J. Duncan, Arch., 87 Washington St., is preparing plans for a theatre building, 44 x 120 ft., to cost $65,000 and to be erected at Clark and Wellington Sts. It will be of brick, steel and terra cotta construction, with steam heat, marble, mosaic and tile work, and will have a seating capacity of 800.

D. H. Burnham & Co., Archs., 9 Jackson Boulevard, have let the following contracts for a 3-story building, 100 x 200 ft.: The masonry and carpentry to MELLING & CO.; fire escapes to A. A. ATWOOD; stone work to EDWARDS & WARD; electric and sheet metal to J. C. McFARLAND; marble work to HENEY MARBLE CO.; electric work to BEAVER ELECTRIC CONSTRUCTION CO.; hardware to P. F. CORBIN; glazing to PITTSBURG PLATE GLASS CO.; plumbing and steam heating to HANLEY-CASEY CO.; painting to J. BOBBE CO., and ornamental iron work to STANDARD ARCHITECTURAL IRON CO. The building will be erected at Washington Boulevard and Ann St., for the Chicago Machinery Exchange, 13 North Canal St., and will be of concrete and steel fireproof construction.

Bulley & Andrews, 115 Dearborn St., general contractors, have sub-let iron work to JOHN RACKY & SON, 292 Fifth Ave., and the marble and tile work to the TAYLOR, KING MARBLE CO., for a $50,000 building at Stanton Park, Vedder and Rees Sts., for the Lincoln Park Commissioners, H. W. West, Secy.

Emery Stanford Hall, Arch., 153 La Salle St., is preparing plans for a building at 79th St. and Coles Ave., for the Norwegian Baptist Congregation. It is to be 60 x 75 ft., built of pressed brick, with stone trim, slate roof, steam heat, art glass, oak trim, marble and mosaic work.

EVANSTON, ILL.—G. A. Mayo, 204 Dearborn St., Chicago, has let masonry to BULLEY & ANDREWS, 115 Dearborn St., and carpentry to J. JEFFREY, 79 Dearborn St., for a $40,000 building at Evanston, Ill., for R. A. Keyes. It will be of brick construction with hot water heating.

ROCK ISLAND, ILL.—Patton & Miller, Archs., 140 Dearborn St., Chicago, have let the plumbing to CHANNEL & DUFWA, Rock Island, and vacuum cleaning system to the HOUSTON MFG. CO., for a $50,000 building at Rock Island, Ill.

OAK PARK, ILL.—Patton & Miller, Archs., 140 Dearborn St., Chicago, have let the general contract to GUY & McCLINTOCK, 42d and Lake Sts., Chicago, for a building at Oak Park, Ill., for the Board of Education. William Hatch, Supt., to be of brick construction with steam heat. Cost, $50,000.

HUBBARD WOODS, ILL.—Marshall & Fox, 164 Dearborn St., Chicago, Ill., Archs., have let the masonry contract to F. M. KREUSCH; carpentry, to C. A. HILL; plumbing to J. J. WADE & SONS; hollow tile work to NATIONAL FIREPROOFING CO.; sheet metal to GRACE CORNICE CO.; marble work to WEARY & BECK, and glazing to the SPRAGUE, SMITH CO., for a $40,000 building at Hubbard Woods, Ill., for R. F. Clinch.

ST. PAUL, MINN.—The contract for the general construction of the superstructure of the Y. W. C. A. building on Fifth St., near Washington St., has been awarded to the GEORGE J. GRANT CONSTRUCTION CO., New York Life Building, St. Paul. It will be five stories high, pressed brick and cut stone, fireproof. C. H. Bigelow, Jr., is Chn. of the Com. C. H. Johnston, 715 Capital Bank Bldg. is Arch. Cost, $250,000.

ABERDEEN, S. DAK.—The Aberdeen Street Ry. Co. will begin the construction of car houses in Aberdeen. Estimated cost is $100,000. Charles N. Herreid, Aberdeen, is Gen. Mgr.

*WARRENSBURG, MO.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Sept. 21, for the construction, complete (including plumbing, gas piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Warrensburg, Mo.

HOUSTON, TEX.—A contract for the erection of a $50,000 3-story warehouse has been awarded to the H. L. STEVENS CONSTRUCTION CO. by W. D. Cleveland & Son, managers of the International Coffee Co., of Houston. The building is to be of reinforced concrete. It will have a frontage of 45 ft. and a depth of 75 ft. The building will be built to conform with the shape of the lot, which has a rear frontage of 70 ft. The warehouse will stand at Fannin St. and Buffalo Bayou.

BELLINGHAM, WASH.—The contract for the construction of the Bellingham armory, for which $75,000 was appropriated by the Legislature last year, was awarded to GEORGE McKENZIE, of Everett, Wash., recently by the Bellingham Armory Commission, at Olympic, Wash. His bid was approximately $62,000. The Board awarded the contract for furnishing the plumbing and heating supplies to D. H. KING, of Seattle, whose bid amounted to $4,983. It also authorized certain changes in the plans and specifications for the armory, which include chiefly, the use of hard maple instead of fir in the floor of the drill hall. Noted last week.

SEATTLE, WASH.—We are officially advised that plans are being prepared by Gaggin & Gaggin, Archs., University Block, Syracuse, N. Y., for a 40-story office building, to be constructed at the corner of Second Ave. and Yesler Way, for L. C. Smith. This building is to be fireproof throughout, and is estimated to cost $2,000,000.

A school building will be erected where the old Denny school now stands on Fifth Ave., in the Denny Regrade District, when the present structure is demolished, which will be during June, 1911. Workmen are now tearing down the west wing, which is di-

rectly in the path of the graders, but the balance of the building will be occupied until the close of the school year next June.

George C. Dietrick & Co., Globe Bldg., has completed plans and will begin the construction of a brick business and hotel building, 60 x 111 ft., for Martin Paup, 3711 47th Ave., South. The building will be located at the northwest corner of First Ave. and Blanchard St. and will cost about $47,000. It will contain considerable steel and concrete in the construction and will be three stories high on First Ave. and five at the rear. There will be three store rooms on the ground floor. George C. Dietrich & Co. prepared the plans some time ago, but the proposition was delayed pending negotiations for a loan. The site has been occupied by a 2-story frame structure, which is being wrecked, and excavation work will start within a few days.

PORTLAND, ORE.—The Oregon Electric Ry. Co. has purchased additional property between Clay and Montgomery Sts., at Portland, adjoining its present terminals, on which it will build new freight terminals. Guy W. Talbot, Portland, is Vice-Pres. and Gen. Mgr.

SALEM, ORE.—The Masons are to to erect a 6-story building on their property at the corner of High and State Sts. Estimated cost of the building is $150,000. The Building Committee is composed of D. Fry, A. Frazer and M. Meyers. Bids will be received until Sept. 5.

BAKERSFIELD, CAL.—The Aiken Reinforced Concrete Co., Union Trust Bldg., is preparing plans for and will build a 4-story reinforced-concrete hotel building at Bakersfield for Mrs. L. Harding, of Berkeley, Cal. Estimated cost, $50,000.

LOS ANGELES, CAL.—Paul C. Pape, Arch., Pacific Electric Bldg., has drawn plans for a 5-story and basement apartment house of reinforced concrete, to be erected at Sixth and Rampart Sts., for the Rampart Investment Co. It will be 131 x 90 ft. and fireproof, with all interior partitions of hollow tile. The Kahn system of floors and roofing will be used throughout. The building will contain 144 rooms and 50 bath rooms. Estimated cost, $170,000.

WATER SUPPLY—IRRIGATION.

*(*Denotes that this work is advertised in Engineering News.)*

PORTLAND, ME.—Bids will be received by the Trustees of the Portland Water District, Portland, until noon, Sept. 12, for 14 miles of pipe. Plans may be seen and specifications, forms of proposal, bond and contract obtained at the office of C. W. Fenn, Engr. of the Trustees, 11 Exchange St., Portland, and at the office of Hazen & Whipple, Consulting Engrs, 103 Park Ave., New York. Bids will be received for 48-in. steel pipe, plates ¼ in. to ⅜ in. thick, delivered and laid complete; 42-in. c. i. pipe, delivered; laying 42-in. c. i. pipe. These are alternate bids and the award will be made for only one form of pipe.

DALTON, MASS.—All bids opened on Aug. 6 by the Commissioners of the Fire District, John Hardeman, Supt., for water-works improvements, have been rejected. New bids will be received until Aug. 19. It is proposed to take the water from Cady Brook in Hinsdale for the purpose of increasing the present supply. Estimated cost, $30,000. Barnes & Spalding, of Pittsfield, are Engrs.

BOSTON, MASS.—Bids will be received until Sept. 1 by L. K. Rourke, Supt. of Streets, for delivering and erecting two main steam turbine-driven centrifugal pumping units at Calf Pasture pumping station, Dorchester, on foundations already in place.

CHELSEA, MASS.—We are officially advised that bids were received on Aug. 1, by the Metropolitan Water and Sewerage Board, 1 Ashburton Pl., Boston, for laying 1,080 ft. of 36-in. and 730 ft. 30-in. c.-i. water pipe at Chelsea: MICHAEL RUSSO, 240 North St., Boston, $9,751 (awarded contract); L. Devincenzi & Co., Boston, $10,-560; Coleman Bros., Boston, $12,081; Bryne Contracting Co., Boston, $12,930; John E. Palmer, Boston, $13,321; Thomas Bruno, Revere, $13,484; Charles M. Callahan, Boston, $13,516; John J. Falvey, Somerville, $14,304; Commonwealth Construction Co., Boston, $14.728. Dexter Brackett is Ch. Engr.

SAUGUS, MASS.—Bids were received on Aug. 1 as follows by the Selectmen, George Quarmby, Chn., for furnishing and laying about 12,700 ft. of 10, 8 and 6-in. standard c.-i. water pipe, two 10-in., two 8-in. and five to ten 6-in. standard gate valves, five to ten hydrants of approved make, nine to fourteen telescopic iron gate boxes and covers: Joseph P. Rourke & Co.—10-in. pipe, $1.45 per foot; 8-in., $1.15; 6-in., $1.10; gate valves, 10-in., $30; 8-in., $25; 6-in., $20; hydrants, $75. James T. Russo—10-in., $1.67; 8-in., $1.17; 6-in., $1.26; gate valves, 10-in., $30; 8-in., $22; 6-in., $15; hydrants, $33; gate boxes, $5. Byrne Contracting Co.—10-in., $1.82; 8-in., $1.59; 6-in., $1.39; gate valves, 10-in., $30; 8-in., $20; 6-in., $12; hydrants, $35; gate boxes, $4. Jose Morrell—10-in., $1.2; 8-in., 96 cts.; 6-in., 77 cts.; gate valves, 10-in., $49.60; 8-in., $29.50; 6-in., $8; hydrants, $31.50; gate boxes, $3.25. Coughlan & Shields Co.—10-in., $1.39; 8-in., $1.15; 6-in., 84 cts.; gate valves, 10-in., $30; 8-in., $21; 6-in., $15; hydrants, $33; gates boxes, $6; rock excavation at $3.50 per cu. yd. Coleman Bros.—10-in., $2.07; 8-in., $1.67; 6-in., $1.35; gates, 10-in., $25; 8-in., $25; 6-in., $12; hydrants, $40; gate boxes, $6; rock excavation, $5 per cu. yd. H. D. Hall & Co.—10-in., $1.84; 8-in., $1.60; 6-in., $1.48; gates, 10-in., $25; 8-in., 20; 6-in., $12; hydrants, $41.50; boxes, $5. Thomas Fitzgibbons—10-in., $1.66; 8-in., $1.43; 6-in., $1.20; gate valves, 10-in., $27.50; 8-in., $22.50; 6-in., $17.50; hydrants, $40; gate boxes, $6. Thomas Bruno—10-in., $1.80; 8-in., $1.50; 6-in., $1.50, no figures on balance of contract. George F. West—10-in., earth ditch, $1.30; boulder ditch, $1.60; 8-in., earth, $1; boulder, $1.30; 6-in., earth, 80 cts.; boulder, $1.10; hydrants, $55; gate valves, 10-in., $30; 8-in., $20. H. G. Porter—10-in., $2.24; 8-in., $1.77½; 6-in., $2.54½; no figures on balance of contract. John E. Palmer—10-in., $1.30; 8-in., 90 cts.; 6-in., 75 cts.; gate valves, 10-in., $27; 8-in., $18; 6-in., $12; hydrants, $38; gate boxes, $4; excavation at $4.50 per cu. yd. W. B. Bryne—10-in., $1.29; 8-in., $1; 6-in., 70 cts.; gate valves, 10-in., $27; 8-in., $18; 6-in., $12; hydrants, $32; gate boxes, $3.75; rock excavation at $4.50 per cu. yd. In the specifications there was no item calling for bids on the excavation and some of the bidders added while others did not refer to it.

*ITHACA, N. Y.—We are officially advised that bids were received as follows on Aug. 10 by the Mayor and Board of Public Works for about 9,000 lin. ft. of Class B, 24-in. c.-i. pipe, with such special castings as are needed for the same, to be manufactured according to the Standard Specifications of the American Water Works Association for Cast Iron Pipe and Special Castings: Utica Pipe & Foundry Co., c.-i. pipe, $22.25; specials, $50. U. S. Cast Iron Pipe & Foundry Co., 71 Broadway, New York, $21.65 and $50. R. D. Wood & Co., Philadelphia, $22.50 and $49.50. Standard C. I. Pipe Co., $22.19 and $46. Donaldson Iron Co., $22.49 and $50. Donald F. McLeod is City Engr.

NEW YORK, N. Y.—Bids are asked by the Department of Water Supply Gas and Electricity until 2 p. m., Aug. 24, for furnishing, delivering and laying water mains and appurtenances in Southfield Boulevard, in Parkinson, Grassmere, Clove, Danube, Vanderbilt, Seaside, Guyon, Burgher and Osgood Aves., in Elizabeth, Marie, Gordan, Grove, Court and Van Duzen Sts., in First and Simonson Places, in New Dorp Lane and in Fingerboard and Richmond Roads Boro. Richmond, and for hauling and laying a suction main and appurtenances in Madison, Post and Jewett Aves. and in the Grounds of the West New Brighton Pumping Station.

EDINBORO, PA.—Contract for constructing water-works, bids opened on Aug. 5, has been awarded to M. D. REYNOLDS, of Edinboro. Whitman & Brown, Chapin Block, Buffalo, N. Y., are Engrs.

SMITHTON, PA.—Bids will be received about Sept. 1, by the Smithton Electric light & Water Co., for water-works improvements, to cost about $10,000. John Hengsteller, of Scottdale is Engr.

RENOVO, PA.—Contract for the construction of the new reservoir for the Pennsylvania R. R. Co., here has been let to THOMAS E. NEYLON.

NEW CUMBERLAND, PA.—Contracts for the Riverton Consolidated Water Company's new filtration plant and pumping station at New Cumberland was let on August. 2, to FRANK BOMGARDNER, of Harrisburg. The new plant will be erected on the site of the old Ross mill along the Yellow Breeches Creek. The buildings will be of concrete and the machinery of the latest type. The filtration tank will be installed by the PITTSBURG FILTER CO.

EMPORIUM, PA.—Contract for the enlargement of the Emporium Water Company's system has been awarded to APPLEGATE & SONS, Bradford, Pa., at $37,000. The work consists of the erection of a reservoir of 3,-500,000 gallons capacity and the laying of pipe to Emporium.

BALTIMORE, MD.—The BENJAMIN F. BENNETT BUILDING CO., 123 South Howard St. has been awarded contract by the city for the erection of the pumping station for high pressure system on South St. between Lombard & Pratt Sts., at $148,800. The building will be two stories, 74 x 140 ft., concrete and steel, slag roof, gas and electric lighting, plumbing. Daniel Banks is Engr. Bids were opened on Aug. 10.

RUTHERFORDTON, N. C.—See item under Light and Power Plants.

FORT MOULTRIE, S. C.—R. L. Carmichael, constructing Q. M., U. S. A., Fort Moultrie, has awarded contract to SIMONS-MAYSANT CO., Charleston, S. C., for the construction of three concrete reservoirs for fire purposes at $6,627. Bids were opened on July 29.

GADSDEN, ALA.—Contract for constructing water-works station, filters, etc., bids opened Aug. 4, has been awarded to the GENERAL CONTRACTING AND CONSTRUCTING CO., of Atlanta, Ga. Haselhurst & Anderson, Atlanta, are Engrs.

CLEVELAND, MISS.—Bids for furnishing labor and material for a complete water-works plant for the town will be received until 3 p. m., Sept. 6, by the Mayor and Board of Aldermen. Synopsis of specifications and proposal sheets can be obtained from Xaxier A. Kramer, Engr., Magnolia, Miss. Plans on file in office of the Mayor and in the office of the engineer in Magnolia.

GEORGETOWN, KY.—Bids will be received by the City Council until Aug. 25, for the construction of a water purification plant. Alex. Potter is Consulting Engr., 114 Liberty St., New York.

LOUISVILLE, KY.—Bids were opened on July 30 by the Louisville Water Co., Theodore A. Leisen, Ch. Engr. and Supt., for cleaning out the mud from both sections of Crescent Hill reservoir and concreting the bottom of both basins, as follows: (a) 90,000 cu. yds. mud to be removed, (b) laying 11,-000 cu. yds. concrete, prices per cu. yd.: Adams & Cullen of Louisville, (a) 58 cts.; (b) $7.90; total, $139,100; Henry Bickel & Co., (a) 62½ cts., (b) $6.75; $130,500; MANSFIELD ENGINEERING CO., of Indianapolis, Ind., (a) 49 cts., (b) $4.95; $98,-550 (awarded contract).

Bids will be received until Aug. 26 by the Board Public Works, R. G. McGrath, Secy., for erecting fire hydrants on numerous streets.

BARNESVILLE, OHIO.—Bids will be received until Aug. 23 by the Board of Trustees of Public Affairs, A. J. White, Clk., for furnishing material and laying 6,550 ft. of 6- and 4-in. pipe and placing eight hydrants.

STEUBENVILLE, OHIO.—Bids will be received until Aug. 19 by the Board County Commissioners, Sherman M. Floyd, Clk., for constructing a concrete reservoir at the County Infirmary.

RUSHVILLE, IND.—Bids will be received by A. T. Mahan, Supt. Municipal Water and Light Plant, until Aug. 23, for pumping machinery, tank and tower.

*EVANSVILLE, IND.—Bids will be received by the city until 10 a. m., Sept. 29, at the Water Office, City Hall, for furnishing and erecting two steam driven pumps, or pumping engines, for supplying water to the filtration plant of the city water-works. Each engine shall have a capacity of 12,000,000 gallons per 24 hours against a total lift varying from 13 ft. to 62 ft., including suction and discharge heads and friction. The pumps must be accommodated in a portion of a masonry pit about 52 ft. in diameter, by 61 ft. deep. The machinery is perferred having steam ends at top of pit. Bids are requested on all types of pumping apparatus adapted to the conditions, including centrifugal and plunger pumps. John W. Alvord and Charles B. Burdick are Engrs., Chicago, Ill.

*DETROIT, MICH.—Bids are asked by the Board of Water Commissioners until noon, Sept. 20, for building and erecting a pumping engine at the water-works pumping station, engine to be of 25,000,000 U. S. gallons capacity in 24 hours. Benj. F. Guiney is Secy.

MANISTEE, MICH.—Bids will be received by the Board of Water Commissioners, John Seymour, Pres., until Sept. 1 for furnishing and constructing complete, ready for use, a 12-in. c. i. pipe river crossing. John W. Alvord and Charles B. Burdick, 1212 Hartford Bldg., Chicago, Ill., are Engrs.

GRAND RAPIDS, MICH.—Hering and Fuller, Engrs., 170 Broadway, advise us that bids will be received at Grand Rapids, about Sept. 8, for concrete basins in connection with the new filtration plant. Included in this work will be about 35,000 cu. yds. of earth work and about 7,000 cu. yds. of concrete masonry.

DUNDEE, ILL.—Contract for laying water mains, furnishing hydrants and valves; bids opened on Aug. 1, has been awarded to THOMAS IGLEHART, 217 La Salle St., Chicago, at $9,966. The W. S. Shields Co., of Chicago, are Engrs.

VANDALIA, ILL.—See item under Light and Power Plants.

WESTFIELD, ILL.—The Town Board on Aug. 5, considered the proposition of putting in a new water plant and tower and it was decided to appoint a committee.

FRANKLIN PARK, ILL.—Bids will be received until Aug. 20, by the village for furnishing machinery for the pumping plant. H. I. Emerson is Engr., 1118 Chamber of Commerce Bldg., Chicago.

*MARSFIELD, WIS.—Bids will be received by the Water and Light Commission until noon, Aug. 22, for digging, constructing and furnishing all material for a concrete reservoir, also repairing old reservoir. The new reservoir to be 50 ft. in diameter by 25 ft. deep. Plans and specifications may be seen at the Water and Light Office, City Hall. Louis B. Carl is Secy.

TAMA, IOWA.—All bids opened by the City Council, on Aug. 4, for 2,400 ft. of 4-in. water main four hydrants, etc., have been rejected. New bids will be received by the City Clerk until Aug. 22.

MINNEAPOLIS, MINN.—The U. S. CAST IRON PIPE & FOUNDRY CO., 217 La Salle St., Chicago, secured contract for 60,000 ft. of water pipe, to consist of about 6,000 tons, at $24 to $24.50 per ton total cost, about $150,000. Andrew Rinker is City Engr.

RUGBY, N. DAK.—Bids were opened on July 25 by Henry Nelson, City Audr., for constructing 6 and 4-in. water mains in Second, Third, Main, De Smet and Foster Sts., about 9,667 lin. ft. pipe and 18 hydrants, L. W. SCRUTH of Fargo, has been awarded contract at $11,327. Other bids were: Gilbert W. Haggart, Fargo, $12,076; Frazer & Danforth, Rochester, Minn., $11,-738; W. D. Lovell, Minneapolis, Minn., $12,-399.

BELLE FOURCHE, S. DAK.—The Secretary of the Interior has awarded contract to the PITTSBURG VALVE FOUNDRY & CONSTRUCTION CO., Pittsburg, Pa., for nine 58-in. balanced valves for use in regulating the discharge of water from the reservoirs under the North Platte irrigation project in Nebraska and Wyoming and the Belle Fourche irrigation project in South Dakota. The contract price for each valve is $3,890, the total for the nine being $35,010 with transportation added the cost delivered at the projects will be about $37,560.

SANDERS, MONT.—Bids will be received at the office of the Secretary of Yellowstone Irrigation District, at Sanders, until Sept. 3, for the enlargement and extension of Sanders irrigation canal. Estimated cost, $170,-000. Henry Gerharz Engineering Co., of Billings, Engrs.

NEWPORT, ARK.—The Newport Water, Light & Power Co. has awarded to the ROBERTS FILTER MFG. CO., Sixth and Columbia Aves., Darby, Philadelphia, Pa., contract for constructing a filter plant here at about $6,500.

*HAMBURG, ARK.—Bids will be received by the Board of Improvement District No. 2, of Hamburg, until 12 o'clock noon, Aug. 31, for furnishing material, machinery and constructing a system of water-works and electric light plant for the city. Willis E. Ayres is Engr., Randolph Bldg., Memphis, Tenn.

DURANGO, COLO.—The Florida Mesa Irrigation District has voted $1,000,000 of bonds for the construction of ditches and reservoirs for the irrigation of 5,000 acres of land. Work on the project will commence soon.

LAS CRUCES, N. MEX.—The New Mexico College of Agriculture has let contract to O. H. BROWN for the construction of a large concrete reservoir to have a capacity of 500,000 gallons.

TACOMA, WASH.—The city will soon award contracts for the construction of the first unit of the city's $2,000,000 Green River gravity system. The first unit comprises the intake, settling basin, main, tunnels Nos. 1 and 2, and river crossing. It is estimated to cost $62,500, the estimate being as follows: Intake, $5,000; settling basin, $5,000; drain, $5,000; tunnel No. 1, $34,000; tunnel No. 2, $5,000; river crossing, $6,000. Nicholas Lawson is Com. Light and Water.

PORTLAND, ORE.—Contracts for water mains were awarded on Aug. 2 by the Water Board as follows: To JAHN CONSTRUCTION CO., for mains in Brazil, Alta, and Thurman Sts. at $25,869; to WILLIAM STEVENSON, for mains in East Washington and Hancock Sts. at $7,188; to EGON IRON & STEEL CO., mains in East Harrison St. and Mississippi Ave., at $1[illegible]48; to NATIONAL CONSTRUCTION CO., [illegible] in Fourth St., at $5,987, and BARRETT ASPHALT CO., mains in East Gibson St., at $24,571.

TWIN FALLS, ORE.—A contract aggregating $500,000 has been awarded to DONALD GRANT & CO. and CONWAY WILHITE and active construction of the big Jerome reserve reservoir of the North Side Twin Falls tract, to be situated about six miles northeast of the town has been instituted with a view to having the greater portion of the work completed during the present season.

SAN FRANCISCO, CAL.—The Spring Valley Water Co., of San Francisco, desires to let a contract for the construction of the Calaveras dam, about 30 miles from San Francisco and twelve miles from the railroad, at an elevation of 560 ft. above tide, at a fixed price per cu. yd. with classifications covering different materials in excavation and fill. The design of the dam is a reinforced concrete face with a backing of earth, rock and gravel, the center height of the dam as projected is over 200 ft. with a crest length of about 800 ft. The necessary equipment will probably include one or more steam shovels. Samuel Storrow, 906 Wright & Callender Bldg., Los Angeles, is Engr.

The Sacramento Valley Irrigation Co. has awarded contract it is reported for constructing the structure carrying the canal water under Willows and Walker Creeks to the STANLEY CONSTRUCTION CO., of San Francisco.

DAUPHIN, MAN.—Bids will be received until Sept. 1 by J. W. Johnston, Secy-Treas., for the following contracts: (a) pipe laying for water-works and sewers; (D) c. i. pipe and special castings; (E) fire hydrants and valves; (I) dam and gate house; (M) laying gravity main, nine to ten miles; (S) sewer pipe; (W) wood stave pipes. Chipman & Power are Engrs., Toronto, Ont., and Winnipeg.

SEWERAGE.

*(*Denotes that this work is advertised in Engineering News.)*

GREENFIELD, MASS.—Bids will be received until Aug. 20 by the town for the construction of an intercepting and outfall concrete and pipe sewer of 24 and 30-in. diameter. Estimated cost, $35,000 to $50,-000. H. G. Chapin is Town Engr.

NEW YORK, N. Y.—Bids will be received by the Commissioner of Water Supply, Gas and Electricity until 2 p. m., Aug. 24, for furnishing all the labor and materials required to construct and erect the sludge trenches, sludge beds and fences and gates for the sewage disposal plant at the Village of Mount Kisco, N. Y. Henry S. Thompson is Comr.

Bids were received as follows on Aug. 11 by Cyrus C. Miller, Pres. Boro. The Bronx, for constructing sewers and appurtenances in (a) Hoe Ave., between Boston Road and East 174th St.; in Vyse Ave., between Boston Road and East 173d St. and in Bryant Ave., between East 176th St. and East 173d St. and Longfellow Ave., between East 176th St. and East 173d St.; in Boone Ave., between East 176th St. and the summit south of East 172d St.; in East 173d St., between West Farms Road and Longfellow Ave. (b) Oakland Pl., from Belmont Ave. to Prospect Ave., and setting curb where necessary. (c) Grote St., from East 182d St. to Southern Boulevard. (d) Repaving with redressed granite block pavement on a concrete foundation the roadway of North Brook Ave., from Westchester Ave. to East 156th St.: Perrillo & Shield, (a) $47,449; Frank Del Balso, (a) $66,340; Briggs & McLaughlin, (a) $68,638; Michael Marrone, (a) $61,178; Stanton Const. Co., (a) $56,039; P. F. Brennan, (a) $62,890; Jos. Burns, (a) $62,490; B. C. Murray, (a) $69,617; Anelta Con. Co., (a) $60,051; Barber Asphalt Paving Co., 30 Church St., New York, (b) $6,-989, (c) $12,405; Hastings Pavement Co., (b) $7,245, (c) $12,595; Asphalt Construction Co., 137th St. and Madison Ave., New York, (d) $14,293; Atlanta Contracting Co., (c) $16,102.

NEW YORK, N. Y.—Bids are asked until noon, Aug. 30, by George Cromwell, Pres. Boro. Richmond, for furnishing all the labor and materials required for constructing a temporary combined sewer in John St., from Osgood Ave. to Prince St., and in Prince St., from John St. to a point about 100 ft. north of Vanderbilt Ave., in Sewerage District No. 3-C, in the Second Ward, together with all work incidental thereto.

TROY, N. Y.—Bids will be received until Aug. 19 by the Board of Contract and Supply, James M. Riley, Secy., for constructing a sewer of salt glazed vitrified drain pipe in portions of Hudson and other streets.

YORKVILLE, N. Y.—Plans and specifications for the construction of sewers were accepted on Aug. 5 by the Board of Trustees.

*FORT HANCOCK, N. J.—Bids will be received by Frederic H. Smith, Constructing Q. M., U. S. A., until noon, Aug. 31, for constructing a sewer outlet at Fort Hancock.

*MADISON, N. J.—We are officially advised that bids were received as follows on Aug. 8 by the Borough for the construction of about twelve miles of sewers from 8 to 18 ins. diameter, with manholes, flushtanks and other appurtenances, and a small sewer ejector station: CHARLES IPPOLITO, Orange, N. J., $67,335 (awarded contract) Bond & McNally, Weehawken, N. J., $69,856; Jersey Paving Corporation, $70,529; Antonia Costa, Orange, $70,761. D'Amito & Stefanelli, Newark, N. J., $72,374. Hudson Terminal Construction Co., 50 Church St., New York, $74,223. Donovon & Benson Bayonne, N. J., $78,228. Joseph B. O'Rourke & Co., Boston, Mass., $81,369. Marrone Construction Co., New York, $87,117. Joseph A. Christie, Newark, $88,519. Martin & Miller, Roselle Park, N. J., $88,524. Miele & Bruns, Newark, $93,051. John McNabb, Bound Brook, N. J., $96,777. Charles Crawford Brooklyn, $102,139. Madsen Construction Co., Long Beach, N. Y., $108,081. Engineers estimate, $73,000. Hering & Fuller, 170 Broadway, New York, are Engrs.

SOUTH FORK, PA.—Contract for constructing pipe sewers, from plans prepared by C. P. Thomas, of Johnstown, has been awarded to WILLIAM T. BURKETT, of South Fork, at $5,335. Contract for furnishing pipe was let to J. W. WALTERS, of Johnstown.

WEST VIEW, PA.—Bids are asked by the Borough until noon, Oct. 1, for the construction of main sewers and a disposal plant. Trimble & Miller are Engrs., Fourth Ave., Pittsburg, Pa.

*BALTIMORE, MD.—Bids for constructing lateral sewers in District 14, Sanitary Contract No. 55, for furnishing coal and ash conveying plant, Sanitary Contract No. 56, will be received at the office of J. Sewell Thomas, City Register, addressed to the Board of Awards until 11 a. m., Sept. 7. Approximate quantities are: Lateral sewers in District No. 14, Sanitary Contract No. 55, 23,000 lin. ft. vitrified pipe sewers, 8-in. to 15-in. diameter; 30 lin. ft. brick and concrete sewer, 30-in. diameter; 10,000 lin. ft. 6-in. house connections. Calvin W. Hendrick is Ch. Engr. Sewerage Comn.

*WASHINGTON, D. C.—Bids are asked by the Commissioners of the District of Columbia until 2 p. m., Aug. 29, for the construction of sewers in the district.

ROANOKE, VA.—Bids are asked by the city until noon, Aug. 23, for the construction of sewers in several streets. W. L. Craft is City Clk.

BECKLEY, W. VA.—See Item under Streets and Roads.

NEW ORLEANS, LA.—W. J. Hardee, City Engr., has recommended that the bids of the Standard Paving & Construction Co., of New Orleans, at $20,291, for construction of subsurface drainage on Howard Ave., and of Barber Asphalt Paving Co. for subsurface drainage for De Soto St. repaving be accepted.

UNION CITY, TENN.—The city has awarded contract to SULLIVAN & LONG, Bessemer, Ala., at $28,484, for constructing sewerage system, including septic tank, flush tanks, etc.

GEORGETOWN, KY.—Bids will be received by the City Council until Aug. 25 for the construction of 1,035 ft. of 42 and 36-in. reinforced-concrete storm water drain. Alexander Potter is Consulting Engr., 114 Liberty St., New York.

*WINCHESTER, KY.—Bids will be received by J. A. Hughes, Mayor, until 1 p. m., Aug. 30, for furnishing all materials and laying complete about 8½ miles of sewers, varying in size from 6 ins. to 15 ins. in diameter, together with all manholes, lamp holes, flush tanks, etc. Bids will also be received until the same hour for sewer bonds for $65,000. Dr. M. S. Brown is Chn. Sewer Com.

LAKEWOOD (Cleveland post-office), OHIO.—Bids will be received until Aug. 29 by B. M. Cook, Village Clk., for constructing sewers in Hird St. and Northland Ave. William H. Evers Engineering Co., is Engr., 332 The Arcade, Cleveland.

NEWBURG HEIGHTS (Cleveland post-office), OHIO.—Bids will be received until Sept. 3 by A. W. Shatts, Village Clk., for constructing sewers in Alpha, Beta and Bridgeview Aves., Cuyahoga and other streets. Ralph Hecker is Engr., 720 Electric Bldg., Cleveland.

LORAIN, OHIO.—Bids will be received until Aug. 23 by the Board Public Service, L. B. Johnston, Clk., for constructing sanitary sewers in East 32d St., Denver and East Erie Aves.

GALION, OHIO.—We are officially advised that bids were received as follows on Aug. 1 by the city for sanitary sewer laterals. Contracts have been awarded as follows: District 3, U. S. CONSTRUCTION CO., Columbus, Ohio, at $3,792; District 6, W. H. RALSTON, Mt. Vernon, Ohio, at $3,579; District 7, C. L. ALLEN, Marion, Ohio, at $7,680; District 8, A. J. STOUGH, Galion, at $8,946; District 9, C. L. ALLEN, at $9,773; District 11, W. H. RALSTON, at $2,709. A. O. Theobald is City Engr.

DAYTON, OHIO.—Bids are asked by the Department of Public Works until noon, Aug. 17, for constructing storm water sewers in portions of Glendale Ave., Sixth St., Clover and Hawker Sts. and Germantown St. T. C. Ely is Dir.

PLEASANT RIDGE, OHIO.—The village will construct a sewerage system and sewage disposal plant. Estimated cost, $175,000.

DELAWARE, OHIO.—Resolutions have been adopted by the City Council declaring it necessary to construct a sewer in Liberty St., from Lincoln Ave. to Fountain Ave. and a sewer in North Sandusky St. to the Children's Home Campus.

INDIANAPOLIS, IND.—Bids will be received until 10 a. m., Aug. 19, by the Board of Public Works, for the construction of a local sewer with appurtenances in and along the alley east of Olive St., from the first alley north of Swift St. to Prospect St. Blaine H. Miller is City Engr.

FORT WAYNE, IND.—Frank Randall, City Engr., has been ordered by the Board of Public Works to prepare plans for the construction of a large trunk sewer and the dredging of Indian Creek. Bids will be asked.

GRAND RAPIDS, MICH.—The following bids have been opened by the Board of Public Works for sewers in North Ottawa and other streets: Verhey & Kloote, $39,030; Peter De Wit, $45,167; A. H. Prange, $50,717.

STEELTON, MICH.—Contract for furnishing sewer pipe was awarded on Aug. 6 by the Council to the SEWER PIPE CO., of Akron, Ohio.

WHEATON, ILL.—Bids for the construction of sewers and an extension of the drainage system will be received by the Board of Local Improvements until Aug. 25.

*BUSHNELL, ILL.—Bids will be received until 7 p. m., Aug. 25, for the construction of about 33,565 lin. ft. of clay pipe sanitary sewers for the city, to be paid for in cash: size of pipe, 8, 10, 12, 15-in.; excavation, 6 to 16 ft. Write to W. H. Dawson, City Clk.

SUPERIOR, WIS.—Bids will be received until Aug. 22 by Board Public Works, P. J. Ekstrand, Chn., for constructing sewers in portions of 20th and Weeks Aves.

JANESVILLE, WIS.—Bids are asked by the Street Assessment Committee until 2 p. m., Aug. 26, for the construction and completion of sewers as follows: In Sewerage District No. 11, sewer in portions of North Bluff St. and Prairie Ave., about 989 lin. ft. of 8-in. sewers, two manholes; one lamphole; in District No. 14, sewer in portions of Ruger Ave., Forest Park Boulevard, Clarence St., Jackson St., about 767 lin. ft. of 12-in., 1,504 lin. ft. of 8-in. sewers, six manholes, and two lampholes; sewer in District No. 16, in portions of South Main St., Garfield Ave., and Vista Ave., about 1,110 lin. ft. of 12-in., 1,561 lin. ft. of 8-in. sewers, and ten manholes.

ALGOMA, WIS.—Bids will be received until Sept. 1 by the City Council for constructing a vitrified pipe sewer. Estimated cost $4,000. William Neseman, Jr., is City Clk.

EVANSVILLE, WIS.—Bids will be received by F. W. Gillman, City Clk., until Sept. 6 for a supervising engineer to supervise and look after installation of a sewage plant.

OELWEIN, IOWA.—The City Council has awarded contract for the construction of the sewer system complete to DEARBORN & JACKSON, of Cedar Rapids, at $29,996. Other bids were: Des Moines Bridge & Iron Works, $39,913; Independent Construction Co., Davenport, $36,591; Lytle Construction Co., Sioux City, $35,828; Cook Construction Co., Des Moines, $35,508; Thomas Carey & Son, $35,434; Cedar Rapids Construction Co., $33,888; Frazee & Danforth, Rochester, Minn., $33,621; J. W. Turner Improvement Co., Des Moines, $32,646; M. A. Camery & Co., Harlan, $30,756.

WILLMAR, MINN.—A bond issue for the construction of a sewer system has been voted here. The improvement will be started at once.

WICHITA, KAN.—Preliminary surveys have been completed by Bert C. Wells, City Engr., for an extension to the present city drainage canal to the Big Arkansas River. Estimated cost, $40,000. Bids will be asked soon.

DEVIL'S LAKE, N. DAK.—Bids will be received until Aug. 22, by S. C. Jones, City Audr., for the construction of lateral sewers.

SIOUX FALLS, S. DAK.—Bids will be received by the Board of City Commissioners until 9 a. m., Sept. 6, for constructing approximately 66,000 ft. of sewers, from 8 to 36-in. L. P. Wolff, of St. Paul, Minn., is Engr.

FORT MISSOULA, MONT.—The following bids were opened on July 30 at the office of the Constructing Q. M., U. S. A., for a sewer system: J. P. Adamson, St. Paul, Minn., $15,820; J. H. Fife, Spokane, Wash., $12,500; John P. Grady, Missoula, $17,500; P. A. Harrington, Missoula, $16,400.

LITTLE ROCK, ARK.—The Commissioners of Sewer District No. 58 have awarded contract at $8,500 to JAMES TRAINOR, of Little Rock, for constructing a sewer in district No. 58, exclusive of septic tank which will be built later.

TACOMA, WASH.—JOSEPH WARTER & CO. have been awarded contract for constructing the West End storm sewer, at $58,500.

CORVALLIS, ORE.—Bids will be received by the City Engineer until Aug. 20 for the construction of three miles of special design reinforced concrete sewer, 24 to 76-in. circular. Estimated cost, $162,600.

ALAMEDA, CAL.—Contract for constructing vitrified iron stone pipe sewers, bids opened on Aug. 2, has been awarded to W. J. SCHMIDT, 2121 Shattuck Bldg., Berkeley, at $14,801.

COLTON, CAL.—Bids were opened by the Board of City Trustees, W. Davenport, Clk., on Aug. 1, for constructing a sewer system, consisting of sewers, laterals, flush tanks and manholes. The lowest bid was submitted by Watson & Spicer, of Colorado Springs, Colo., at $53,000. W. L. Brown is City Engr.

PHOENIX, ARIZ.—The city has voted to issue bonds for $400,000 for installing a sewer system. Frank Thomas is City Recdr.

WINNEMUCCA, NEV.—We are officially advised that bids for constructing the sewerage system here were opened as follows on Aug. 2: R. M. BARSDEN & CO., Butte, Mont., $31,945 (awarded contract); Reno Construction Co., Reno, Nev., $33,530; J. D. Hanley, Salt Lake City, Utah, $33,609; Carty Hartman & Morhan, Winnemucca, $34,774; Roberts Con. Cons., Reno, $37,262; Tibby & Forbes, Salt Lake City, $39,970. L. C. Kelsey, 402 Dooly Bldg., Salt Lake City, is Engr.

MINTO, ONT.—D. B. CAMPBELL, of Strathroy, Ont., has been awarded contract, at $5,939, for constructing municipal drain No. 3 for the Township of Minto. The drain will be about 35,300 ft. long.

VANCOUVER, B. C.—The Board of Public Works has awarded contract for sewer pipe for the year to the DOMINION GLAZED CONCRETE PIPE CO., LTD., at $70,910. Two other bids were submitted for clay pipe, one from Evans, Coleman & Evans, at $76,930, and the other from C. Gardiner Johnston & Co., at $75,261.

GARBAGE DISPOSAL.

UNION HILL, N. J.—The garbage removal contract for the town was awarded on Aug. 1 by the Town Council to JOSEPH RASSILO, the lowest bidder at $3,500.

HAGERSTOWN, MD.—The establishment of a garbage plant is under consideration by the city. J. McP. Scott is Mayor.

EAST LIVERPOOL, OHIO.—The Board of Control will soon award contract for the erection of a new crematory plant.

*RACINE, WIS.—Competitive plans for a garbage incinerator for the city will be received by Leslie M. Fowler, City Clk., until 5 p. m., Sept. 6. Each set of plans must provide for an incinerator of sufficient capacity to reduce 25 tons of garbage in 24 hours, the plant to be housed in a fireproof building. Each set of plans must be accompanied by a proposal to the Common Council, setting forth the amount that would be charged for the use of said plans provided they are accepted, together with complete working details and specifications.

SEATTLE, WASH.—William H. Murphy, Pres. City Council has asked the Finance Committee to recommend a loan of $50,000 from the general fund to build one incinerator for the south end of the city. R. H. Thomson is City Engr.

SALT LAKE CITY, UTAH.—The plant of the city garbage station, three-quarters of a mile north of Warm Springs, which was destroyed by fire will be rebuilt at once.

STREETS AND ROADS.

(*Denotes that this work is advertised in Engineering News.)

*WESTFIELD, MASS.—Bids for laying sheet asphalt pavement will be received by the Committee on Repaving Elm St. and Park Square, at the office of the Town Clerk, until 2 p. m., Aug. 26. The work includes about 7,900 sq. yds. of asphalt pavement and about 900 lin. ft. of curbing. Oren E. Parks is Town Engr.

NEW YORK, N. Y.—Bids were received as follows on Aug. 11 by the Park Board for (a) regulating, grading and paving with asphalt pavement on a concrete foundation the roadway of West Traffic Road on Ocean Parkway, from 18th Ave. to Kings Highway, and (b) regulating, grading and paving with asphalt pavement on a concrete foundation the roadway of Parkside Ave., from Flatbush Ave. to Park Circle: Uvalde Asphalt Pavement Co., 1 Broadway, New York, (a) $62,796, (b) $40,163; Barber Asphalt Paving Co., 30 Church St., New York, (a) $70,408, (b) $47,073; Cranford Co., 52 Ninth St., Brooklyn, (a) $62,090, (b) $38,052; Brooklyn Asphalt Co., (a) $61,259, (b) $39,707; Eastern Asphalt Paving Co., (a) $66,120.

NEW YORK, N. Y.—Bids were received on Aug. 9 as follows by the Borough of Richmond for furnishing all the labor and materials required for regulating and repaving with wood block pavement on a sand bed the roadways of Water St., from Bay St. to Wright St., Richmond Terrace, from Ferry St. to the Staten Island Rapid Transit Ry., and Richmond Ave., from the south side of Richmond Terrace to the Ferry Landing, together with all work incidental thereto: U. S. Wood Preserving Co., 165 Broadway, $14,238; Barber Asphalt Paving Co., $16,801; Empire City Contracting Co., $15,545; Jos. Johnson's Sons, $15,193; Uvalde Asphalt Paving Co., $15,383.

For labor and materials required for regulating and repaving with asphalt block pavement on a concrete foundation the gutters of Cary Ave., from Broadway to Berger Ave., and Norwood Ave., from Bay St. to Green St., together with all work incidental thereto. The bids were: Barber Asphalt Paving Co., $5,180; Hastings Pavement Co., 25 Broad St., $4,503.

Bids for regulating and repaving with iron slag block pavement on a sand bed the roadway of Richmond Road from Vanderbilt Ave. to Glover Ave., follow: Uvalde Asphalt Co., 1 Broadway, New York, $10,239; Joseph Johnson's Sons, $10,538; Quinroy Construction Co., $10,713.

For regulating and repaving with vitrified brick pavement on concrete foundation the roadway of Morningstar Road, from Sherman Ave. to Prospect St., and the gutters of Union Ave. from Richmond Terrace to the Staten Island Rapid Transit Ry., South Ave., from Richmond Terrace to the Staten Island Rapid Transit Ry., Nicholas Ave., from Richmond Terrace to Innis St., Ann St., from Richmond Ave. to Ave. B.; Ave. B. from Ann St. to south end of street, Church St. from Richmond Ave to Broadway, and James St. from Sharpe Ave. to a point 125 ft. east of Elm St., together with all work incidental thereto, the following bids were received: Joseph Johnson's Sons, $29,256; Quinroy Construction Co., $31,764; Dominick Bonnacl, $28,124.

Bids for regulating and repaving with vitrified brick pavement on a concrete foundation the gutters of Tompkins St. from Quinn St. to Brownall St., Oakland Ave., from Castleton Ave. to Cary Ave., Cedar Ave. from Castleton Ave. to Richmond Turnpike, Pennsylvania Ave., from New York Ave. to the Staten Island Rapid Transit Ry. DuBois Ave., from Post Ave. to Cherry Lane and St. Marks Pl. from Hamilton Ave. to Westervelt Ave. follow: Quinroy Construction Co., $19,450; Joseph Johnson's Sons, $17,925; Dominick Bonnacl, $18,251; C. Vanderbilt, $20,001.

TROY, N. Y.—Bids will be received by James M. Riley, Secy., Bd. of Contract and Supply, until 11 a. m., Aug. 19, for regulating, grading and paving Twelfth St.

WATERVLIET, N. Y.—Contract for paving Broadway, from 15th to 19th Sts., was awarded on Aug. 12 to MICHAEL W. NOLAN of Watervliet at $1.39 per yd. for paving, 89 cts. a ft. for curbing and $60 each for catch basins, paving material to be granite block laid on concrete foundation and grouted with cement. Other bidders were: Hassam Paving Co., of Worcester, Mass., and John H. Gleason & Co., of Troy.

*MOUNT PLEASANT, N. Y.—Bids for permanent improvement of Railroad Ave., at Valhalla, a distance of .67 miles, and Broadway, at Hawthorne, a distance of .78 miles, will be received by the Town Clerk of Mount Pleasant, for the Town Board at the Town Clerk's office, Cortland St., North Tarrytown, until 3 p. m., Sept. 7. Edward F. Hennessey is Town Clk.

BROOKLYN, N. Y.—Bids are asked until 11 a. m., Aug. 31, for regulating and repaving with asphalt, iron slag, and asphalt block on a concrete foundation the roadways of various streets; also for constructing cement sidewalks on both sides of Ridgewood Ave., between Putnam Ave. and Palmetto St., where not already done, and on various other streets in the Borough.

NEW YORK, N. Y.—Bids are asked until noon, Aug. 30, by George Cromwell, Pres. Boro. of Richmond, for furnishing all the labor and materials required for furnishing and delivering 20,000 gallons of bituminous road surfacing material (binder); and for furnishing all the labor and materials required for regulating and grading the Castleton Ave. Extension, from Columbia St. to Jewett Ave.; building the necessary bridge and appurtenances, together with all work incidental thereto.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Aug. 29, by George McAneny, Pres. Boro. of Manhattan, for regulating and paving with asphalt block pavement on a concrete foundation the roadways of several streets; for regulating, grading, curbing, flagging, guttering, etc., the widening of Riverside Drive, from 158th St. to 165th St.; for regulating and resurfacing with asphaltic concrete the pavement on the present macadam foundation the roadway of Riverside Drive, from 161st St. to Broadway and Dyckman St.; for regulating, grading, curbing, flagging, etc., portions of several streets; for furnishing all labor and material and performing the necessary work of breaking old trap rock and granite paving blocks for broken stone suitable for concrete at the locations mentioned in the contract.

*BRONXVILLE, N. Y.—Bids are asked by Frank Dinsmore, Village Clerk, until 8 p. m., Sept. 6, for grading and paving Midland Ave. Chambers & Hone, 1 Liberty St., New York, are Engrs.

*MERCHANTVILLE, N. J.—We are officially advised that bids were received on Aug. 10 as follows by the Board of Chosen Freeholders, Camden, for constructing an amesite road 14 ft. wide and .85 miles long, known as Chapel Ave., at Merchantville: J. F. Shanley Co., Arcade Bldg., Philadelphia, $12,284; E. C. HUMPHREY, Hackensack, N. J., $12,114 (awarded contract); Bates & Gibbs, Clemton, N. J., $12,154; Kelley & McFeeley Co., Camden, N. J., $12,291. J. J. Alberson is County Engr.

*NEW BRUNSWICK, N. J.—Bids will be received by the Board of Chosen Freeholders of the County of Middlesex, until 11 a. m., Sept. 6, for the construction of a stone road, according to plans and specifications (no partial bids will be received) on file in the office of the County Collector, 40 Paterson St., New Brunswick. The road to be improved is designated as follows: Beginning at Kingston & Monmouth Junction Road and extending to New Brunswick & Trenton Turnpike, a distance of 2.56 miles.

*AVALON, N. J.—Bids will be received by the Avalon Boulevard Co., at the office of Charles R. Hall, Pres., 1415 Real Estate Trust Bldg., Broad and Chestnut Sts., Philadelphia, until noon, Aug. 30, for the construction of 2.941 miles of gravel road, across the marsh land from Swainton to Avalon, Cape May County, and also for the construction of 1,558 lin. ft. of bridging, including one steel draw span, across the various streams on the line of said roadway. R. Fendall Smith is Engr.

TARENTUM, PA.—We are officially advised that bids were received by W. A. Gibson, Boro. Secy., on Aug. 6, for grading, curbing and paving East Eighth Ave., from the eastern curb line of Corbet St. to Ormond St. Approximate estimate of quantities is as follows: 3,730 cu. yds. of excavation, 500 cu. yds. excavation for sidewalks, 5,800 lin. ft. curbing, 5,000 sq. yds. paving. Contract has been awarded to BROWN & CRISSMAN of Kittanning, Pa.

KITTANNING, PA.—Bids for paving or macadamizing driveways in the Kittanning Cemetery will be received at the office of H. L. Golden, Secy., until 7 p. m., Aug. 20. Approximate estimates are: Excavating, 1700 cu. yds.; paving, 2,800 sq. yds. Plans and specifications may be seen at the office of E. E. Lawson, C. E., Kittanning.

READING, PA.—We are officially advised that bids were received as follows on July 27 for paving Spring St., from Nicolls to Sixth Sts. and drainage appurtenances: FEHR & O'ROURKE, Reading, $10,286 (awarded contract). C. P. Bower Construction Co., Bulletin Bldg., Philadelphia, Pa., $17,809. Edmund B. Ulrich is City Engr.

PITTSBURG, PA.—The County Commissioners on Aug. 10 let contract for the construction of the Crab Hollow road to A. G. ROTHEY at $17,745.

*ANNAPOLIS, MD.—Bids will be received by the City Clerk until noon, Aug. 24, for paving West St. with vitrified brick (about 3,050 sq. yds.). Plans specifications, etc., can be obtained from T. C. Little, the City Engr.

WINCHESTER, VA.—We are officially advised that bids received on Aug. 8, by Capt. H. L. Pettus, Constructing Q. M., U. S. A., Washington, D. C., for constructing concrete side-walks, etc., at Winchester National cemetery, have been rejected. New bids are asked until Aug. 20.

FAIRMONT, W. VA.—Bids are being received for the construction of two miles of modern, permanent highway in Marion County to extend between Barracksville and Fairview. The work will be done under the immediate direction of S. A. Shuttlesworth, County Rd. Engr., and Charles P. Light, State Rd. Comr., of Charleston. The road is to be built as an experiment and is expected to serve as a model for all roads which shall be built in the state in the future. Estimated cost, $6,000 per mile.

BECKLEY, W. VA.—The city contemplates the expenditure of about $120,000 for paving and for the construction of a new sewerage system.

HUNTINGTON, W. VA.—Bids will be received by the Board of Commissioners until 1 p. m., Sept. 2, for the grading, draining, curbing and paving with vitrified brick, sheet asphalt, asphalt block, or bitulithic, the following streets and avenues: Fourth Ave. from Eleventh to 16th Sts. Seventh Ave. from Tenth to 16th Sts. Eighth Ave. from 20th St. to a point 230 ft. east of Smith St. Tenth St. from Sixth to Seventh Ave., Van Buren Ave. from West 13th St. to West 14th St., West 13th St. from Van Buren Ave. to the C. & O. R. R. right of way line and 20th St. from Eighth Ave. to Ritter Ave., the whole comprising approximately 56,500 sq. yds. of paving and 24,000 lin. ft. of curbing.

FORT MORGAN, ALA.—We are officially advised that bids were received by Lieut. Edwin F. Barlow, Constructing Q. M., U. S. A. on Aug. 5, for a brick paved road and cement walks around barracks, mess hall and lavatory. Contract has been awarded to W. C. PEASE, 307 Grout St., Atlanta, Ga., at $5,740.

VICKSBURG, MISS.—Bids will be received at the office of J. D. Laughlin, Chancery Clk., Warren County, until noon, Sept. 5, for widening and grading Ward Hill, near J. H. Hall's place.

MOUNTAIN VIEW, TENN.—The Council on Aug. 5, awarded contracts for paving of a portion of Dandridge Pike and East Main Ave. and the laying of 6,000 ft. of curbing. The curbing contract was awarded to GEORGE W. WEST, at 24½ cts. per lin. ft. with concrete base. Several bids were opened for the paving of a portion of the Dandridge Pike and East Main Ave. and contract was awarded to the WEST CONSTRUCTION CO., of Chattanooga at 71 cts. per sq. yd.

CINCINNATI, OHIO.—Bids will be received at the office of the Board of County Commissioners until noon, Aug. 26, for the following county work: Under Specification No. 47: for improvement of the Harrison and New Haven Road, from Harrison Pike to the Miami River bridge at New Baltimore, in Harrison and Crosby Townships. Fred Dreiks is Clk.

CLEVELAND, OHIO.—Bids will be received at the office of the Board of Commissioners of Cuyahoga County, until 11 a. m., Aug. 24, 1910, for the repairs of Detroit road (pavement), in accordance with the form of contract and specifications to be furnished by Frank R. Lander, County Surv.

YOUNGSTOWN, OHIO.—Contract was awarded on Aug. 1, by the Board of Control for paving Poland Ave. to CHARLES HARRIS & SON, at $32,216.

COLUMBUS, OHIO.—Bids will be received at the office of the Director of Public Service until Aug. 24, for the labor and materials necessary to improve certain streets as subways under the tracks of the Baltimore and Ohio S. W. R. R., at Central Ave., Sullivan Ave., Town St., Broad St., and McKinley Ave. At the same time bids will be received for labor and material to improve Lorain Ave., and Central Ave. as subways.

DAYTON, OHIO.—Bids are asked until noon, Aug. 19, by the Department of Public Service, for paving the sidewalks with cement on portions of Barney, Bowen, Brody, Cross and Hayes Sts., Herman Ave., and other Sts. T. C. Ely is Dir.

SANDUSKY, OHIO.—Bids will be received at the office of the Board of County Commissioners of Sandusky County, until Aug. 23 for grading and macadamizing a road 1.54 miles in length in Sandusky and Rue Townships under the provisions of the State Aid Law. The estimate of the work is $11,817. J. C. Wonders is State Highway Comr.

DANVILLE, IND.—The Commissioners of Hendricks County, Danville, have awarded contract to EVAN BRAY of Noblesville, Ind., for the construction of roads in Union and Washington townships. Bids were opened on Aug. 3.

SALEM, IND.—The Commissioners of Washington County, Salem, Ind., have awarded contract to BERT CHARTAEN of Campbellsbury, Ind., for the construction of the Bee Line gravel road in Washington Township at $11,754. Bids were opened on Aug. 1.

INDIANA.—Bids will be received for the improvement and construction of gravel roads in Indiana as follows:

Aug. 26, at 2 p. m., by Commissioners of Vermillion County at Clinton, Ind., for the construction of a gravel road in Clinton Township known as the E. J. Mounts Road. J. N. Davis, Pres. Bd. Comrs.

Sept. 5, at 1 p. m., by the Commissioners of Benton County at Fowler, Ind., for the construction of a free stone road known as the Bart road in York Township. Lemuel Shipman is County Audr.

Sept. 6, at noon by the Commissioners of Lake County at Crown Point, Ind., for the construction of six gravel roads, five in North Township and one in St. Joseph Township. Charles A. Johnson is County Audr.

Sept. 6, at 2 p. m., by the Commissioners of Spencer County at Spencer, Ind., for the construction of a free macadamized road in Jackson Township, 10,856 ft. in length. George W. Edwards is County Audr.

Sept. 6, at 2 p. m., by Commissioners of Orange County at Paoli, Ind., for the construction of two gravel roads, one in Northeast Township, 3,386 ft. long and one in French Lick Township, 9,197 ft. in length. Alvin B. Ham is County Audr.

Sept. 7, at 10 a. m., by the Commissioners of Tippecanoe County at Lafayette, Ind., for the construction of three gravel roads, known as the Littleton, the Mather and the Frisby gravel roads. John P. Farseman is County Audr.

ROBINSON, ILL.—KEEGAN BROS., of Terre Haute, Ind., on Aug. 2 received contract for the construction of about 1½ miles of paved streets here at $40,000.

MORRIS, ILL.—Bids were received as follows on Aug. 2, for paving about two miles of the residence streets here: Edward M. Laing, of Highland Park, $36,785; Joseph Hanreddy, Chicago, $35,964; Keyes & McNamara, La Salle, $32,673; George A. Peter, Sycamore, $31,913.

KANKAKEE, ILL.—Contract for paving East Court St. from Chicago Ave. to city limits has been let to JOHN HAYES & SONS of Naperville at about $20,000.

EAST MOLINE, ILL.—Contract for paving with brick, 13th St., from the bluff road to the Marseilles plant, a distance of about three-fourths of a mile, has been awarded by the Board of Local Improvements to the NORTHWESTERN CONSTRUCTION CO., of Davenport, Iowa, at $15,279.

CARMI, ILL.—Bids will be received by Fred W. Stinnett, Town Clk., until 2 p. m., Aug. 20, for the construction of one gravel or rock road, three miles in length.

SYCAMORE, ILL.—Bids will be received until 2 p. m., Aug. 20, by the Commissioners of Highways, for the construction of washed gravel roads between the easterly corporate limits of the city of Sycamore and the township line between Sycamore and Cortland Townships.

MILWAUKEE, WIS.—Bids will be received until Aug. 20 by the city for an asphalt pavement on 16th St. from Grand Ave. to Cedar St. and for a sandstone pavement on a concrete base on Pleasant St. from the Milwaukee River to North Water St.

Bids will be received until Aug. 19 for a brick pavement on the following streets: Michigan from Jefferson to Lake Sts; Seventh St. from Walnut to Germania Sts.; Lincoln Ave., from Forest Homes Ave. to 22d Ave.; and a portion of Park St. H. E. Briggs is Comr. Pub. Wks.

JANESVILLE, WIS.—Bids are asked by the Street Assessment Commissioner, until 2 p. m., Aug. 26, for improving portions of Jackman St., Wisconsin St., and East St., by grading to a sub-grade and paving with asphalt macadam, aggregating the following estimated quantities: 7,790 sq. yds. asphalt macadam; 1,338 lin. ft. cement curb and gutter, 30 lin. ft. cement gutters, 45 sq. yds. brick crosswalks.

DES MOINES, IOWA.—The BRYANT-McLAUGHLIN ASPHALT CO., of Des Moines, has been awarded contract by the city for the construction of about 3,871 sq. yds of paving on 23d St., from Forest Ave. to the south line of lots 1 and 32 of Williamson Pl. at $2.05 per sq. yd. Bids were opened on Aug. 3.

BURLINGTON, IOWA.—Bids were received as follows on Aug. 1 by the city, for paving South Main St.: Young & Buescher, curbing, 52 cts.; concrete, $1.48; brick, $2.06. Fred W. Guenther, curbing, 48 cts.; concrete, $1.63¼; brick, $1.85. Bernard Bros. & Mercer, curbing, 45 cts.; concrete, $1.85; brick, $1.80. George Peterson, curbing, 57 cts.; concrete, $1.62; brick, $1.50. The paving material will be concrete with a foot of brick pavement on each side of the street railway track.

HALLOCK, MINN.—C. J. Hemmingson, Audr., Hallock, will receive bids until 1 p. m., Aug. 27, for the following quantities of state road work: 57,661 cu. yds. of grading; 2,300 cu. yds. of ditching; and twelve 20 × 24 in. and nine 30 × 24 in. concrete culverts. Specifications may be seen at the office of the Auditor or at the office of the State Highway Commission, St. Paul, Minn. This is all dry work, along the Great Northern Ry. in Kittson County.

NEW ULM, MINN.—Bids will be received by Ernest Wicherski, City Clk., until 5 p. m., Aug. 25, for furnishing all material and labor for constructing as many cement sidewalks and crosswalks as may be ordered by the City Council.

NASHWAUK, MINN.—The Village Council on Aug. 1, opened bids for paving Central Ave. E. A. DAHL of Duluth received the contract to pave the streets and put in curbing and walks at $7,936 or 15 cts. per sq. ft. for cement walks and the curbing and gutter work at 90 cts. per sq. ft. Work will be started before Aug. 20 and must be finished by Nov. 1.

WINONA, MINN.—Contract for paving Franklin St. at the north end with brick was awarded on Aug. 1 by the City Council to OTIS ABELL at $7,845.

FORT RILEY, KAN.—We are officially advised that bids were received on Aug. 11, by Capt. W. M. Whitman, Constructing Q. M., U. S. A., Fort Riley, for about 4,500 cu. yds. of grading 6,600 sq. yds. macadam surface, 3,900 lin. ft. driveway curb, 8,950 sq. yds. concrete sidewalks, crossings, steps, etc., catch basins and culvert pipe at this post. Lowest bidders were: Road work, Henry Schaumburg, of Junction City, Kan.; cement walks, A. Wagner of Junction City.

JEFFERSON BARRACKS, MO.—We are officially advised that bids for constructing roads, walls, etc., were received on July 25, by Capt. Stanley H. Ford, Q. M., U. S. A. Contract has been awarded to JOHN B. TURNER, Pierce Bldg., St. Louis, Mo., at $3,808.

GALVESTON, TEX.—The Board of City Commissioners opened bids as follows on Aug 5 for repairing the brick pavement on Market St. between 25th and 29th Sts.: S. C. Leonard, for taking up and relaying about 781 sq. yds. of paving, 74 cts per sq. yd.; for about 30,000 vitrified brick, $24 per M. Kelso & Vautrin, for taking up and laying paving, 73 cts. per yd.; for brick, $23 per M.

HOUSTON, TEXAS.—The Harris County Commissioners have awarded contract to the TEXAS GRADING CO., of Houston for rebuilding two miles of the West Montgomery Road at $12,000. The materials to be used consist of a substrata of gravel about 8-ins. thick, to be covered with two inches of shell. The contractors are required to dig all ditches and properly drain all sections of the roadway which is rebuilt under their contract.

SEATTLE, WASH.—Bids were received as follows by the city on Aug. 5, for the improvement of Fifth Ave. and Fifth Ave., South and other streets: Grant Smith & Co. and Stilwell, $162,247. P. T. McHugh, Seattle, $151,552. International Contract Co., 501 Central Bldg., Seattle, $167,830. MARKS, RUSSELL & GALLAGHER, $156,144 (awarded contract), R. H. Thomson is City Engr.

LOS ANGELES, CAL.—The BARBER ASPHALT PAVING CO. has been awarded contract for improving Grand Ave., at $8,824.

ESCONDIDO, CAL.—The city has awarded contract to DENNY & GRANVILLE for grading and paving with decomposed granite Grand Ave., from the west line of Juniper St. to the west line of Nutmeg St. at $6,400.

OAKLAND, CAL.—We are officially advised that bids for the construction of a roadway on Kelly St. from a point 1,000 ft. northwestly from intersection with Main County Road between Hayward and Dublin were received by the Supervisors on Aug. 8. The work will require the excavation of 1,940 cu. yds. of earth. Extra excavation is to be paid for at the rate of 60 cents per cu. yd. Contract has been awarded to P. H. HOARE, Bacon Bldg., Oakland.

ETNA, CAL.—Bids will be received by the Clerk of the Board of Supervisors of Siskiyou County, until noon, Aug. 19 for the construction of a portion of the Griffin Lane Road consisting of approximately 5,100 ft. of built up roadway and 1,860 lin. ft. of trestle in the Etna Road District. W. H. Neilon is Clk.

RICHMOND, CAL.—Bids will be received by the Clerk of the City Council until 8 p. m., Aug. 29, for the following street work to be done in accordance with plans and specifications on file with clerk; Ohio St. from easterly line of First St. to westerly line of 10th St.; macadamized with oiled macadam, curbed with concrete curbs, guttered with concrete gutters and otherwise improved. I. R. Vaughn is Clk.

SALT LAKE CITY, UTAH.—We are officially advised that bids were received as follows on Aug. 8 by the city for paving extension No. 67: P. T. Moran, Salt Lake City, $191,724. Strange & McGuire, Salt Lake City, $196,413. G. F. McConagle is City Engr.

BOISE, IDAHO.—The Board of Public Works has awarded contracts for the construction of 60 blocks of asphalt paving and 30 blocks of concrete paving as follows: To the COAST CONSTRUCTION CO., of Tacoma, Wash., for the construction of 14 blocks of concrete pavement at $41.759; JACOB GUSTAFSON of Boise for the construction of 16 blocks of concrete pavement at $49.257; the PACIFIC CONSTRUCTION CO., of Portland, Ore., for the construction of 60 blocks of asphalt pavement at $223,124.

MANUFACTURING PLANTS.

*(*Denotes that this work is advertised in Engineering News.)*

*KINGS PARK, N. Y.—Bids are asked by the State Commission in Lunacy until 3 p. m., Aug. 31, for laundry equipment at the Kings Park State Hospital at Kings Park, N. Y. F. B. Ware is State Arch., Albany; T. E. McGarr is Secy. of Comn.

NEW YORK, N. Y.—H. A. Jacobs, 320 Fifth Ave., has prepared plans and is taking estimates for the erection of a 2-story brick and bluestone slow-burning factory building, 50 × 109 ft., to be erected by Schloss & Metzger, lace manufacturers, 2 West 89th St., at the southeast corner of Bronxwood Ave. and 229th St., the Bronx.

PHILADELPHIA, PA. — APPLETON & BURRELL, 1204 Chancellor St., have been awarded a contract to construct a $40,000 factory for John M. Melloy & Sons, 1434 Brandywine St. It will be a 5-story and basement structure, 53 × 57 ft., of brick construction.

Ballinger & Perrot, Archs., 1211 Arch St., have completed drawings and specifications and have awarded contract to APPLETON & BURRELL, 1204 Chancellor St., for a fireproof addition to the machine shop of Hugo Bilgram, 1217 Spring Garden St.

ERIE, PA.—The Buffalo & Lake Erie Traction Co. has been authorized to make alterations and repairs to its car barns and to build an addition to cost $18,000. M. C. Brush is Gen. Mgr., at Buffalo, N. Y.

WILMINGTON, DEL.—According to reports, shops for building steel passenger cars are to be established by Charles M. Schwab, Pres. of the Bethlehem Steel Co., at Wilmington, at the Harland & Harlingsworth plant, of which Mr. Schwab has had possession for several years. The raw steel will be made at Bethelehem, Pa.

RICHMOND, VA.—The Southern Mfg. Co., producers of baking powder, will erect an addition to its building, to cost $70,000.

MOUNDSVILLE, W. VA.—The Board of Trade of Moundsville has secured a location at Wheeling, for the Railway Brake & Shoe Co., which will manufacture brake shoes for steam and electric cars. Capital, $70,000.

SALISBURY, N. C.—It is stated that arrangements are being perfected to organize Hambley Mfg. Co., which will build a plant for the manufacture of damask. T. J. Jerome, C. C. Adams and A. H. Boyden are among the organizers. Gilbert F. Hambley, Salisbury, is interested.

WELLFORD, S. C.—The Jordan Mfg. Co., of Wellford, has decided on plans for enlarging its plant. This will be adjacent to the present main structure. It will be 60 ft. long and will increase the building to a total of 180 ft. Additional machinery to be installed will be mainly for manufacturing towels and counterpanes.

GREENWOOD, S. C.—The Panola Cotton Mill, Greenwood, has decided upon plans for its buildings, selected a site and will proceed with construction. This company was organized recently with a capital stock of $300,000. Its officers include: Pres. and Treas., F. S. Evans; Vice-Pres., George H. Taylor; Secy., W. R. Cothran.

NEWBERRY, S. C.—A mill company will be organized at Newberry and will be capitalized at $400,000. It is be[illegible] formed by business men and mill owners of the Newberry section. Among those interested is W. H. Hunt, of Hunt, Hunt & Hunt. Land has been chosen as the site for the plant.

KNOXVILLE, TENN.—The management of Standard Knitting Mills has purchased the property adjoining its present plant for $31,500 and will erect buildings for a knitting mill. The plant will use steam power. Capital stock is $500,000. Its officers are as follows: Pres., E. E. McMillan; V.-Pres., C. H. Hudson; Treas., H. B. Brann; Secy. and Gen. Mgr., T. J. Brownlee.

CLEVELAND, OHIO.—The National Acme Mfg. Co. has made application received for a permit to erect a $30,000 4-story factory at Stanton Ave., S. E., and the C. & P. tracks.

BRAZIL, IND.—Thomas Jones will soon ask for bids for remodeling the Brazil Brewery building into a packing house. Plans are being prepared.

MONTICELLO, IND.—Bids are being asked by the Monticello Thread Mfg. Co. for the erection of a brick addition to the present factory. Estimated cost, $25,000. [illegible] S. Burnham & Co., Railway Exchange, Chicago, Archs.

KOKOMO, IND.—The Kokomo Mfg. Co. will soon ask for bids for the construction and equipment of a plant to manufacture all kinds of rubber goods. Thomas Lovelle, J. C. Humerickhouse and J. I. Imbler are Dirs.

GREENSBURGH, IND.—The Garr-Lasner Radiator Co. has secured a site on which it is planning to build a plant for radiators for automobiles. Bids will be called for soon.

PLYMOUTH, IND.—The Monarch Iron Works Co. is reported to be planning to build an iron works plant on the site of the building recently destroyed by fire.

DETROIT, MICH.—J. C. Stahl, Jr., 806 Detroit Gas Co. Bldg., has let the following contracts for the 4-story store and creamery, 51 × 86 ft., and 2-story building, 31 × 103 ft., for the Towars Wayne County Creamery, William J. Kennedy, Secy., 73 Bagley Ave.: Masonry, to JOHN BALLIN, 906 Belleview Ave.; carpentry to E. HUTH & SON, 117 Maybury Ave.; steam heating and plumbing to ROOS & WOOD, 176 Myrtle Ave.; plastering to AUSTIN & SCHNEIDER, Penobscot Bldg.; painting to WILLIAM BENTIS, 863 Champlain St.

The India Palmetto Brush Co., William H. Gates, Mgr., 724 Grand River Ave., will soon let contracts for a 2-story factory addition to its present plant. The building is to be constructed of stock brick, Bedford stone, mill construction, with composition roof, galvanized iron skylight, structural iron, hardwood finish and electric fixtures. Cost, $30,000.

Mildner & Eisen, Hammond Bldg., will soon be ready for figures on a 2-story and basement bottling works, 60 × 80 ft., for the Champion Brewing Co., 400 Wilkins St. The building is to be of vitrified and stock brick, Bedford stone, reinforced concrete, with composition roof, structural iron, hardwood finish in office and electric fixtures. Cost, $18,000.

George L. Mason, 80 Griswold St., has let the general contract for the construction of the 3-story building, 304 × 80 ft., for the Anderson Carriage Co., William P. McFarlan, Supt., 687 Woodward Ave., to E. P. DECKER CONSTRUCTION CO., Bank Chambers Bldg.

Baxter & O'Dell, Hammond Bldg., are taking figures on a 1-story factory building 173 × 225 ft., for the Briscoe Mfg. Co., 1143 Woodward Ave. The building is to be of reinforced concrete, with composition roof, structural iron, cement floor and electric fixtures. Cost, $36,000.

ST. JOHN, MICH.—The BURRELL ENGINEERING & CONSTRUCTION CO., 108 La Salle St., Chicago, Ill., will erect a 30,000-bushel grain and bean elevator at St. John, Mich., for J. Hicks. It will be of crib construction, sheet metal siding, will require three electric motors of 5, 10 and 15 HP. each. All material is to be purchased.

CHICAGO, ILL.—F. M. Barton, Arch., 185 Jackson Boulevard, Chicago, has let the plumbing contract to JAMES CARMICHAEL, 109 South Western Ave., and the sheet metal work to PERKINSON BROS., for a box factory, one and two stories, 60 × 125 ft., to be built at Central Park Ave. and Harrison St., for H. R. Giggons. Cost, $20,000.

A. S. Alschuler, Arch., Steger Bldg., has let the general contract to JOSEPH HEIGH, 204 Dearborn St., for a 3-story building, 80 × 160 ft., to cost $65,000, at 22d St. for the Southern Cotton Oil Co., 217 La Salle St. It will be of reinforced concrete and steel construction.

D. I. Davis & Co., Archs., 315 Dearborn St., are receiving estimates for a 1-story building, 100 × 120 ft., to be built at 37th and Wall Sts., for the H. P. Smith Paper Co., 2940 Carroll Ave. It will be of steel, brick and mill construction, with saw-tooth composition roof.

F. E. Davidson, Arch., 1448 Monadnock Block, has let the structural steel work to VIERLING, McDOWELL & CO., 23d St. and Stewart Ave., Chicago, for a 5-story addition, 100 × 125 ft., to the Addressograph Co.'s plant. It will be of brick and mill construction.

BEARDSTOWN, ILL.—The BURRELL ENGINEERING & CONSTRUCTION CO., 108 La Salle St., will erect a 50,000-bushel reinforced concrete elevator at Beardstown,

Ill., for the Schultz Banjan Co. The contractors are in the market for all construction material and one 25-HP. gasoline engine.

GREEN BAY, WIS.—The Standard Oil Co. will construct several buildings and tanks in this city. A tract of ten acres of land was recently purchased for a site. The tanks will have a total capacity of 4,000,000 gallons and will be made of steel. There will be a warehouse, two stories, 50 × 80 ft., a barn, 32 × 90 ft., two factories and a boiler house. All of these buildings will be erected of reinforced concrete. Cost, $100,000.

EAU CLAIRE, WIS.—The International Harvester Co. will erect two buildings here; One, 85 × 120 ft., and four stories high, and the other, 24 × 105 ft., and one story high. Both will be constructed of red vitrified brick with stone trim. Estimated cost, $75,000.

MILWAUKEE, WIS.—Plans have been completed by the National Brake & Electric Co. for additions to be built to the plant which will cost approximately $240,000. The buildings will include a machine shop, foundry and a warehouse. The machine shop will be 186 × 248 ft., and the warehouse, 140 × 176 ft., costing together $140,000, while the foundry building alone will cost $100,000.

JUNEAU, WIS.—H. Messmer & Son, Archs., 473 East Water St., Milwaukee, have awarded the BEAVER DAM CONSTRUCTION CO., of Beaver Dam, Wis., the contract for a factory building to be built at Juneau, Wis., by the Brodesser Motor Co. The structure will be one story high, 60 × 200 ft., with solid brick walls. Cost, $15,000.

POPLAR BLUFF, MO.—We are officially advised that the WILLIAM B. CARMICHAEL CO., Fullerton Bldg., St. Louis, Mo., has been awarded the contract for the construction of a reinforced concrete factory building for Dalton Adding Machine Co., at Poplar Bluff, Mo. The building will be 45 × 400 ft., two stories in height, of reinforced concrete skeleton with brick curtain walls.

HOUSTON, TEX.—The contract for the erection of an $18,000 3-story brick wagon factory has been awarded to the C. C. WENZEL CONTRACTING CO., by the Frank Eller Wagon Factory Co.

TULSA, OKLA.—The Commercial Club recently closed a deal with the Robinson Boiler & Mfg. Co., with headquarters at Canton, Ohio, for a boiler, bridge and structural steel factory at Tulsa, which will cost $150,000.

OSAGE, OKLA.—The American Hosiery Co. of Osage has been incorporated by Browne Cornelison, Security Bldg., Oklahoma City; Wallace Sweigert, Oklahoma City, and G. L. Grace, of Reading, Pa. This company is capitalized at $100,000 and will build a plant in Osage.

CHICKASHA, OKLA.—It is reported that the Chickasha Street Ry. Co. will soon build a car house at 19th St. and Dakota Ave., Chickasha. The structure will be 25 × 100 ft.

TACOMA, WASH.—Men are engaged in clearing the site on Chambers Creek, for the proposed plant for the Pacific Coast Match Co., which, it is expected, will be completed by Jan. 1, 1911, and piles are being driven for a dam to be built across the creek 500 ft. from the mouth, where the creek is 800 ft. wide and 18 ft. deep. The main factory building will be 120 × 60 ft. and of reinforced concrete brick and steel construction. Other minor buildings will be erected for the plant. The company will also erect a saw mill and paper mill on the banks of the same creek, for which sites have been chosen. The creek will be dredged so that the large vessels may reach the dock to be built by the company. Henry Hewitt, of Tacoma, is interested.

SANDWICH, ONT.—A new company controlled by the Canadian Salt Co., Windsor, in which the Canadian Pacific Ry. is reported to be interested, will erect a plant in Sandwich, on condition of a fixed assessment of $35,000 for a period of ten years; in return the company probably will spend $250,000 in the next five years. The company has 100 men at work excavating for the proposed plant.

MOOSE JAW, SASK.—D. I. Davis & Co., 315 Dearborn St., Chicago, Ill., have completed plans for six buildings, to cost $100,000, at Moose Jaw, Sask., for the Great Falls Meat Co. They will be of brick and mill construction, with power equipment and refrigerating plant.

MISCELLANEOUS CONTRACTS.

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

TUNNEL.—Wheeling, W. Va.—See item under Electric Railways.

LOCOMOTIVE.—Los Angeles, Cal.—Bids will be received by the Board of Public Works until Aug. 22, for one gasoline tunnel locomotive.

LOCOMOTIVES.—New York, N. Y.—Bids are asked by Maj. R. M. Schofield, Acting Dept. Q. M., New York, until noon, Aug. 25, for two locomotives.

*DREDGING.—Galveston, Texas.—Bids are asked by Maj. G. P. Howell, Corps Engrs., U. S. A., Galveston, until noon, Sept. 10, for dredging Port Bolivar Channel, Tex.

SAND.—New York, N. Y.—Bids are asked by the Park Board until 3 p. m., Aug. 25, for furnishing and delivering 400 cu. yds. of sand for parks, Boro. of the Bronx.

DREDGING.—Toledo, Ohio.—Bids will be received until Sept. 2 by Col. John Millis, Corps Engrs., U. S. A., 813 Prospect Ave., S. E., Cleveland, for dredging Toledo Harbor.

CANAL.—Batesville, Ark.—Bids will be received by the County Clerk, until Aug. 23, for constructing a drainage canal from near Newark east into Black River, to drain about 10,000 acres.

BREAKWATER.—Cleveland, Ohio.—Bids will be received until Sept. 2 by Col. John Millis, Corps Engrs., U. S. A., 813 Prospect Ave., S. E., Cleveland, for constructing breakwater at Fairport Harbor.

REMOVING WRECK.—Boston, Mass.—Bids will be received by Lieut.-Col. Fred. V. Abbot, Corps. Engrs., U. S. A., until Sept. 6, for removing wrecks of canal boats in Narrows of Lake Champlain, N. Y.

DITCH.—Fairmont, Minn. — The contract for constructing Judicial Ditch No. 9 has been awarded to the HAWKEYE CEMENT TILE CO., of Mason City, Iowa, for $13,444. H. P. Edwards is County Audr.

*DREDGING.—Bridgeport, Conn.—Bids are asked by Lt.-Col. Harry Taylor, Corps Engrs., U. S. A., New London, Conn., until 3 p. m., Sept. 15, for dredging in Bridgeport Harbor.

*DREDGING.—Philadelphia, Pa.—Bids are asked until noon, Sept. 15, by Maj. Herbert Deakyne, Corps Engrs., U. S. A., Witherspoon Bldg., Philadelphia, for dredging in Delaware River, in bends of channel.

WHARF.—Montmagny, Que.—Bids will be received until Aug. 29 by the Department of Public Works, Ottawa, Ont., for constructing an extension to wharf in the basin of Montmagny. R. C. Desroches is Asst. Secy.

BREAKWATER.—Lorain, Ohio.—Bids will be received until Sept. 2 by Col. John J. Millis, Corps Engrs., U. S. A., 813 Prospect Ave., S. E., Cleveland, for extending outer breakwater toward shore, Lorain Harbor.

DREDGING.—Los Angeles, Cal.—Bids are asked until 11 a. m., Sept. 10, by Capt. W. P. Stokey, Corps Engrs., U. S. A., 723 Central Bldg., Los Angeles, Cal., for dredging Los Angeles Harbor. Specifications are on file at the office of Engineering News, New York.

*LOCK AND DAM.—Wheeling, W. Va.—Bids are asked until 11 a. m., Sept. 16, by Capt. F. W. Altstaetter, Corps of Engrs., U. S. A., Wheeling, W. Va., for constructing Lock and Dam No. 12, Ohio River, near Wheeling.

ROAD OIL.—New York, N. Y.—Bids are asked by the Park Board until 3 p. m., Aug. 25, for furnishing, delivering and distributing in place 20,000 gallons crude oil mixture having an asphaltic base (No. 1, 1910), for parks, Boro. of the Bronx.

*LOCK, DAM, ETC.—New Orleans, La.—Bids are asked by Lt.-Col. Lansing H. Beach, Corps Engrs., U. S. A., Custom House, New Orleans, until 11 a. m., Sept. 9, for building lock and dam and lock-keeper's dwelling on Bayou Teche, La.

EARTHWORK.—New Orleans, La.—Bids are asked until 11 a. m., Sept. 1, by Capt. Robert R. Ralston, Corps Engrs., U. S. A., 3338 St. Charles Ave., New Orleans, for constructing about 201,000 cu. yds. of earthwork in the Pontchartrain Levee District.

*LOCK, GUIDE WALLS, ETC.—Wheeling, W. Va.—Bids are asked until 11 a. m., Sept. 16, by Capt. F. W. Altstaetter, Corps of Engrs., U. S. A., Wheeling, for constructing lock and guide walls, bear-trap weirs and Chanoine weir for Dam No. 19, Ohio River.

RETAINING WALL.—St. Paul, Minn. — Bids will be received by H. P. Keeler, Mayor, until 11 a. m., Aug. 28, for the

LIST OF CONTRACTS PENDING.

Light, Heat and Power Plants.

	Noted in issue of
8-19 Conduit, etc., Leavenworth, Kan.	8- 4
8-19 Elec. equipment, Oakland, Cal.	8- 4
8-19 Lighting fixtures, Washington, D. C	7-28
8-19 Boilers, New York	8-11
8-23 Heating system, etc., Fort Totten, N. Dak	8-11
8-24 Power-house, etc., Estevan, Sask.	8- 4
8-24 Elec. current, etc., Cleveland, O.	8- 4
8-25*Generators, etc., Grand Rapids, Mich	8-11
8-26 Elec elevators, New York	8-18
8-29 Elec. conduits, Bradford, Pa.	8- 4
8-30 Engine, Jasksonville, Ill.	8-18
8-31 Elec. light system, Apelika, Ala.	8- 4
9- 1 Cable, Winnipeg, Man	7-28
9- 1 Engines, etc., Medicine Hat, Alta.	8-18
9- 5 Light plant, Princeville, Ill.	8-18
9- 7 Gas and elec fixtures, Peru, Ind.	8-18
9-10 Elec light, Charlottetown, P. E. I.	8-18
9-10*Pump and motors, Hot Springs, Ark	8-11
9-15 Elec. apparatus, Washington, D. C	7-28

Bridges.

8-19 Bridge, Cincinnati, O	8- 4
8-19 Bridges, Butler, Pa	8-11
8-19*Drawbridge, Salem, Mass.	8-11
8-20*Bridge, Springfield, Ohio	8-11
8-20 Bridge, Beaver, Pa	8-18
8-20 Concrete arch, Rushville, Ind.	8-18
8-22 Bridge, Buckville, Ont	8-18
8-22 Bridge, San Jose, Cal	8-18
8-22 Superstructure, Fort Dodge, Iowa	7-14
8-23 Bridge, Oswego, N. Y	7-28
8-23 Superstructure, Lancaster, Ohio	8-11
8-24 Bridge work, Weston, Ont	8-18
8-25 Bridge work, York, Pa	8- 4
8-25 Bridge, Uniontown, Pa	8-18
8-29 Bridge, Shelbyville, Ind	8-18
8-29 Bridge, Alma, Kan	8-18
9- 2 Bridges, Cincinnati, Ohio	8-18
9- 5 Bridges, Leavenworth, Kan	8-18
9- 5 Bridge repair, Gaffney, S. C.	7- 7
9- 6*Viaduct, Toronto, Ont	7-28
9- 6 Bridges, Jasper, Ind	8-18
9- 8*Bridge work, Wilkes-Barre, Pa.	8-18
9- 9*Bridge, Van Buren, Me	8-11
10- 1*Superstructure, Quebec, Que.	8-18

Buildings.

8-19 Post-office, Palestine, Tex	7-14
8-19 Hospital, New York	8-11
8-20 Garage, Wash., D. C	8- 4
8-22 Post-office, Carbondale, Pa.	7-21
8-23 Buildings, Wheeling, W. Va.	7-28
8-23 Enameled brick, Atlanta, Ga.	8-11
8-23 Y. M. C. A. bldg, Erie, Pa.	8-18
8-24 Hospital, Ft. Geo. Wright, Wash	8- 4
8-25 Buildings, etc., Hawaii	6- 9
8-25*Post-office, Marlboro, Mass.	7-21
8-25 Engine house, New York	8-18
8-25 Building, Ithaca, N. Y	8-18
8-26 Heating, etc., St. Louis, Mo.	7-28
8-27 Building, Boston, Mass	8-11
8-29 Post-office, Bradford, Pa.	7-28
8-29*School, Fort Monroe, Va.	8- 4
8-29 Alterations, etc., New York	8-18
8-31*Post-office, Olean, N. Y.	7-28
8-31*Laundry equip., Kings Park, N. Y. (Mfg. Pl.)	8-18
9- 1*Painting, San Francisco, Cal.	7-28
9- 2*Quarters, Ft. Monroe, Va.	8- 4
9- 6 Infirmary, Hartford, Conn.	7-28
9- 6 Post-office, San Marcos, Tex.	8- 4
9- 6*Shops, Ft. Du Pont, Del.	8-11
9- 6 Truck house, Albany, N. Y.	8-11
9- 6*Court-house plans, Tulsa, Okla.	8-11
9- 6 Observatory, Key West, Fla.	8-18
9- 7 Cottages, etc., Sandusky, O.	8-18
9- 8 Post-office, Beverly, Mass	8-11
9- 9*Post-office, Port Arthur, Tex.	8- 4
9- 9*Building, Ft. Monroe, Va.	8-11
9-10 Plans, Albany, N. Y	6- 9
9-12 Post-office, Lexington, Mo	8-11
9-13 Post-office, York, Pa.	8- 4
9-14 Post-office, Webster, Mass	8-11
9-15*Post-office, Waycross, Ga.	8-11
9-16*Post-office, Harriman, Tenn.	8-11
9-19 Post-office, Plattsmouth, Neb.	8- 4
9-20 Post-office, Easton, Pa.	8-18
9-22 Post-office, Clinton, Mo	8-11
9-21*Post-office, Warrensburg, Mo.	8-18
11- 1 Plans, Toronto, Ont	6- 9

Water-Works.

8-19 Reservoir, Steubenville, O.	8-18
8-19 W-Wks. impvt, Dalton, Mass.	8-18
8-20 Machinery, Franklin Park, Ill.	8-18
8-22 Water main, Tama, Iowa	8-18
8-22*Reservoir, etc., Marshfield, Wis.	8-18
8-22 Water-works, Miles City, Mont.	8- 4
8-22 Water mains, Euclid, O.	8- 4
8-22 Well, Port George Wright, Wash.	8- 4
8-23 Water main, Cleveland, Ohio	8-11
8-23 Pipe, Barnesville, O.	8-18
8-23 Pumping machy, Rushville, Ind	8-18
8-24 Watermains, New York	8-18
8-25 Purification plant, Georgetown, Ky	8-18
8-25 Standpipe, etc., Athens, Ohio	8-11
8-25*Water-works, High Bridge, N. J.	8-11
8-25 Boring machinery, Winnipeg, Man	8- 4
8-25 Water pipe, etc., Keeseville, N.Y.	7-21
8-25*Water system, pipe, Canajoharie, N. Y.	8-11
8-26 Fire hydrants, Louisville, Ky.	8-18
8-29*Tank, Lovell, Wyo.	8- 4
8-29 Water mains, Provo, Utah	8-11
8-29 Intake crib, Toledo, Ohio	8-11
8-31*Water-works, Hamburg, Ark.	8-18
9- 1 River crossing (pipe) Manistee, Mich	8-18
9- 1 Pumps, Boston, Mass.	8-18
9- 1 Pumping sta., etc., Connersville, Ind	8-11
9- 2*Water-works, Cozad, Neb.	8-11
9- 3 Canal work, Sanders, Mont.	8-18
9- 5 Filter, Grand Forks, N. Dak.	8-11
9- 5 Water pipe, Italy (Foreign)	8- 4
9- 6 Water-works, Cleveland, Miss.	8-18
9-12*Pipe, Portland, Me.	8-18
9-20*Pumping engine, Detroit, Mich.	8-18
9-29*Pumps, Evansville, Ind.	8-18

Sewers.

8-19 Sewer, Troy, N. Y.	8-18
8-19 Sewers, Dayton, Ohio	8-18
8-19 Sewer, Indianapolis, Ind.	8-18
8-20 Sewer, Greenfield, Mass.	8-18
8-20 Sewer, Corvallis, Ore.	8-18
8-20 Sewer, Fort Madison, Ia.	8- 4
8-22 Sewers, Shenandoah, Iowa	8-11
8-22*Sewer system, etc., Fort Crockett, Tex.	7-21
8-22 Sewers, Devil's Lake, N. Dak.	8-18
8-22 Sewers, Superior, Wis.	8-18
8-23 Sewers, Roanoke, Va.	8-18
8-23 Sewers, Lorain, Ohio	8-18
8-23 Sewers, Indianola, Iowa	8-11
8-23 Sewer, Cleveland Heights, Ohio	8-11
8-24 Sludge trenches, etc., New York, N. Y.	8-18
8-25 Drain, Georgetown, Ky.	8-18
8-25 Sewers, etc., Wheaton, Ill.	8-18
8-25 Drain, Forest Hills, N. Y.	8-11
8-25*Sewers, Bushnell, Ill.	8-18
8-26 Sewers, Janesville, Wis.	8-18
8-29 Sewers, Washington, D. C.	8-18
8-29 Sewers, Lakewood, Ohio	8-18
8-29 Sewers, Gainesville, Fla	8-11
8-30*Sewers, Winchester, Ky.	8-18
8-30 Sewer, New York	8-18
8-31*Sewer outlet, Fort Hancock, N. J.	8-18
9- 1 Sewer, Algoma, Wis.	8-18
9- 3 Sewers, Newburg Heights, Ohio	8-18
9- 6 Sewers, Sioux Falls, S. Dak.	8-18
9- 6 Supervising Engr., Evansville, Ind	8-18
9- 7*Sewers, etc., Baltimore, Md.	8-18
10- 1 Sewers, etc., West View, Pa.	8-18

Streets and Roads.

8-19 Road, Chardon, Ohio	8-11
8-19 Sidewalk, Roanoke, Va	8-11
8-19 Grading, etc., Concord, N. H.	8-11
8-19 Regulating, etc., Troy, N. Y.	8-18
8-19 Paving, Dayton, Ohio	8-18
8-19 Pavement, Milwaukee, Wis.	8-18
8-19 Road, Etna, Cal.	8-18
8-20 Paving, etc., Kittanning, Pa.	8-18
8-20 Sidewalks, Winchester, Va.	8-18
8-20 Road, Carmi, Ill.	8-18
8-20 Roads, Sycamore, Ill.	8-18
8-20 Pavement, Milwaukee, Wis.	8-18
8-20 Repairing, etc., Springfield, Ohio	8-11
8-22 Grading, etc., Toledo, O.	8- 4
8-22 Street impvt., Mattoon, Ill.	8-11
8-22 Paving, Louisville, Ky	8-11
8-22*Pavement, Plainfield, N. J.	8-11
8-23 Road, Fremont, Ohio	8-11
8-23*Sidewalks, Paducah, Ky.	7-28
8-23 Grading, etc., Sandusky, Ohio	8-18
8-23 Road, Portsmouth, Ohio	8-11
8-24 Road, Bryan, Ohio	8-11
8-24 Repaving, etc., Brooklyn, N. Y.	8-11
8-24 Street work, Hoboken, N. J.	8-11
8-24*Paving, Annapolis Md.	8-18
8-24 Pavement repair, Cleveland, Ohio	8-18
8-24 Street impvt., Columbus, Ohio	8-18
8-25 Sidewalks, New Ulm, Minn.	8-18
8-25*Shell road, Fort Du Pont, Del.	7-28
8-25 Road, Defiance, Ohio	8-11
8-25 Road, Cadiz, Ohio	8-11
8-26 Road impvt., Cincinnati, Ohio	8-18
8-26 Road, Clinton, Ind.	8-18
8-26 Street impvt., Janesville, Wis.	8-18
8-26*Pavement, Westfield, Mass.	8-18
8-26*Roads, etc., Fort Douglas, Utah	7-28
8-27 Road work, Hallock, Minn.	8-18
8-29 Street work, Richmond, Cal.	8-18
8-29 Regulating, etc., New York	8-18
8-30*Road, Avalon, N. J.	8-18
8-30 Binder, New York	8-18
8-31 Regulating, etc., Brooklyn, N. Y.	8-18
9- 1*Road, New Brunswick, N. J.	8-11
9- 2 Macadam, Columbus, Ohio	8-11
9- 2 Grading, etc., Huntington, W. Va.	8-18
9- 5 Grading, etc., Vicksburg, Miss.	8-18
9- 5 Road, Fowler, Ind.	8-18
9- 5 Macadam road, Decatur, Ind.	8-11
9- 5 Macadam road, Rushville, Ind.	8-11
9- 5 Pike road, Vernon, Ind	8-11
9- 5 Gravel road, Jeffersonville, Ind.	8-11
9- 5 Resurfacing, Columbus, Ohio	8-11
9- 6 Shell road, West Palm Beach, Fla	8-11
9- 6 Gravel road, Vincennes, Ind	8-11
9- 6*Paving, Bronxville, N. Y.	8-18
9- 6 Gravel road, Wabash, Ind	8-11
9- 6 *Stone road, New Brunswick, N. J.	8-18
9- 6 Roads, Crown Point, Ind.	8-18
9- 6 Road, Spencer, Ind.	8-18
9- 6 Roads, Paoli, Ind	8-18
9- 7*Street impvt., Mt. Pleasant, N. Y.	8-18
9- 7 Roads, Lafayette, Ind.	8-18
9- 8 Gravel road, Lebanon, Ind.	8-11
9-15 Gravel road, Vernon, Ind	8-11

Miscellaneous.

8-18 Dredging, New York	8-18
8-20*Dredging, etc., Larchmont, N. Y.	7-28
8-22*Removal of wreck, Plymouth, Mass	7-28
8-22 Dredging, Stockton, Me.	7-28
8-22*Cement, Porto Rico (U. S. Poss.)	8-11
8-22 Pier, New York, N. Y.	8-11
8-22 Locomotive, Los Angeles, Cal.	8-18
8-22 Canal, St. Catharines, Ont.	8-18
8-23 Canal, Batesville, Ark	8-18
8-23 Barge canal, Albany, N. Y.	7-28
8-24 Cement, Atlanta, Ga	8-11
8-25 Dredging, Conneaut, Ohio	8-11
8-24*Dredging, etc., Jacksonville, Fla.	7-28
8-25 Locomotives, New York	8-18
8-25 Road oil, New York	8-18
8-25*Concrete trench, etc., Wash., D. C.	8-18
8-25 Sand, New York	8-18
8-29*Removing wreck, Portland, Me.	8-18
8-29 Retaining wall, St. Paul, Minn.	8-18
8-29 Wharf, Montmagny, Que.	8-18
8-29 Steel bars, etc., Panama (U. S. Poss.)	8-11
8-29*Dredging, Norfolk, Va	8-11
8-30 Canal, etc., Sault Ste. Marie, Mich	8- 4
8-30*Tunnel, Boston, Mass.	8-11
9- 1 Iron posts, Ottawa, Ont.	8- 4
9- 1*Dams, etc., Rock Island, Ill.	8- 4
9- 1*Dredging, Port Washington, Wis.	8-11
9- 1 Fire engine, Washington, D. C.	8-11
9- 1 Earthwork, New Orleans, La	8-18
9- 2 Breakwater, Cleveland, Ohio	8-18
9- 2 Breakwater, Lorain, Ohio	8-18
9- 2 Dredging, Toledo, Ohio	8-18
9- 2*Pier, etc., Boston, Mass.	8- 4
9- 2*Breakwater, Bar Harbor, Me.	8- 4
9- 3 Riprap, Washington, D. C.	8-11
9- 6*Dredging, Jacksonville, Fla	9-11
9- 6 Ditch, etc., Clark, S. Dak.	7-28
9- 6*Incinerator plants (Garbage), Racine, Wis	8-18
9- 6 R. R. materials, Toronto, Ont.	8-18
9- 6 Removing wreck, Boston, Mass.	8-18
9- 7*Lock and dam, Mobile, Ala.	8-18
9- 7*Walls, dams, etc., Jacksonville, Fla	8-11
9- 7*Barge canal, Albany, N. Y.	8-11
9- 8*Riprap, New London, Conn.	8-11
9- 8*Dredging, San Diego, Cal	8-11
9- 8*Dredging, Savannah, Ga	8-11
9- 8*Dredging, Jacksonville, Fla	8-11
9- 8*Locks and dams, Pittsburg, Pa.	8-11
9- 8 Gun turrets, Washington, D. C.	7-28
9- 9*Lock, dam, etc., New Orleans, La	8-18
9-10 Dredging, Los Angeles, Cal.	8-18
9-10*Dredging, Galveston, Tex.	8-18
9-12*Caissons, pier, etc., Milwaukee, Wis.	8-18
9-15*Dredging, Philadelphia, Pa.	8-18
9-15*Dredging, Bridgeport, Conn.	8-18
9-16*Lock, guidewalls, etc., Wheeling, W. Va.	8-18
9-16*Lock and dam, Wheeling, W. Va.	8-18
9-16*Lock machinery, Panama	7-21
9-19*Seawall, New Orleans, La	8-11
9-20 Gun turrets, Washington, D. C.	7-28

Examinations.

8-24 Draftsman, Washington, D. C.	7-28
8-24 Asst. Engr., New York, N. Y.	7-14
8-24 Mechanical Draftsman, Wash, D. C.	8- 4
8-24 Asst. in Telephony, Wash., D. C.	8- 4
8-24 Asst. plant pathologist, Washington, D. C	8-11
8-24 Aid, Washington, D. C.	8-11
9- 7 Computer, Washington, D. C.	8-11
9-14 Civil engr., Washington, D. C.	8-11

Plans and Specifications on File.

The following plans (P.) and Specifications (S.) are on file (for reference only unless otherwise noted) at the office of The Engineering News Publishing Co., 220 Broadway, New York.

8-20 Garage, Wash., D. C. (S.)	8- 4
8-22*Cement, Porto Rico (S.)	8-11
8-24*Dredging, etc., Jacksonville, Fla. (S.)	7-28
8-25*Water system, pipe, Canajoharie, N. Y. (P. & S.)	8-11
8-30 Canal, etc., Sault Ste. Marie, Mich (S.)	8- 4
9- 1*Dams, etc., Rock Island, Ill. (S.)	8- 4
9- 2*Breakwater, Bar Harbor, Me. (S.)	8- 4
9- 2*Pier, Boston, Mass. (P. & S.)	8- 4
9- 6*Viaduct, Toronto, Ont. (P. & S.)	7-28
9- 7*Lock & Dam, Mobile, Ala. (P&S)	8-11
9- 9*Bridge, Van Buren, Me. (P. & S.)	8-11
9-10 Dredging, Los Angeles, Cal. (S.)	8-18

construction of a concrete and steel retaining wall at the Mechanic Arts high school. L. W. Rundlett is City Engr. Cost, $8,000.

DREDGING. — Mobile, Ala.—The contract for deepening river along the city wharves from the present depth of 18 ft. to 28 ft. has been awarded by the Mayor to the HOME DREDGING CO. The contract calls for removal of 100,000 cu. yds. of dirt, at 21 cts. per cu. yd.

*CAISSONS, PIERS, ETC.—Milwaukee, Wis.—Bids are asked by Maj. Charles S. Brommell, Corps Engrs., U. S. A., Milwaukee, until noon, Sept. 12, for building reinforced concrete caissons and pile pier; removing old pier and dredging at Racine Harbor, Wis.

DREDGING.—New York.—Bids are asked by William Williams, Comr. of Immigration, Ellis Island, New York Harbor, until 2.30 p. m., Aug. 18, for dredging in northeast channel, entrance channel and ferry basin at the U. S. Immigration Station, Ellis Island, N. Y. H.

SEAWALL.—Marblehead, Mass.—The contract to construct a sea wall and highway across the causeway in Marblehead, was awarded by this commission on July 26 to M. McDONOUGH of Swampscott, Mass., at $48,502. Frank I. Bealer is Secy. Massachusetts Highway Comn.

*REMOVING WRECK.—Portland, Me. — Bids are asked by Lieut.-Col. George A. Zinn, Corps Engrs., U. S. A., 537 Congress St., Portland, Me., until noon, Aug. 29, for removing wrecks of schooners "Young Brothers" and "Henry L. Peckham" in Kennebec River at Iceboro, Me.

RAILROAD MATERIALS—Toronto, Ont.—Bids are asked by The Board of Control, G. R. Geary (Mayor) Chn., until noon, Sept. 6, for the following railway materials: 20,800 ft. of partly worn or relaying rail, 400 oak ties and 4,800 cedar ties, for construction of industrial tracks on the east bank of the Don River. C. H. Rust is City Engr.

CANAL.—St. Catharines, Ont.—Bids are asked by the Department of Railways and Canals, Ottawa, Ont., until 4 p. m., Aug. 22, for placing stone protection, Summit Level, Welland Canal; and for straightening the channel at the head of Lock No. 2. Plans are at the office of the Supervising Engineer, St. Catharines, Ont. L. K. Jones is Secy.

*LOCK AND DAM.—Mobile, Ala.—Bids are asked by Maj. H. Jervey, Corps Engrs., U. S. A., Mobile, until 11 a. m., Sept. 7, for building Lock and Dam No. 17, and lock-tender's house, Block Warrior River, Ala. Plans and specifications are on file at the office of Engineering News, New York. This work was erroneously noted last week under date of Sept. 17.

*EXCAVATING, ETC.—Barre, Vt.—Bids were received by the City Clerk on Aug. 11, for the excavation of a river channel, building walls at all sides, riprapping the bottom, refilling the old river bed, building about 500 lin. ft. of culvert and doing other work incidental to moving the course of the river in Barre, Vt. The contract has been let to JOSEPH LONG & CO., of Leominster, Mass., at $43,280.

*DREDGING, ETC.—Chicago, Ill.—Bids were received as follows by Maj. Thomas H. Rees, Corps Engrs., U. S. A., on Aug. 8, for dredging and rock excavation in Chicago River, Ill. Buffalo Dredging Co., of Buffalo, N. Y., $142,800; Fitz Simons & Connell Co., Chicago, Ill., $113,100; Great Lakes Dredge & Dock Co., 138 Washington St., Chicago, Ill., $102,480. The last bid has been recommended for acceptance.

*CONCRETE TRENCH, ETC.—Washington, D. C.—Bids are asked until 2 p. m., Aug. 25, by Frank Pierce, Acting Secy., Dept. of the Interior, Washington, D. C., for the extension of a vacuum heating system to the Pension Office Building and the construction of a concrete trench from the intersection of the tunnel connecting the Old Post Office and Patent Office Building to the Pension Office Building, to be used in connection with the extension of such heating system.

*CANAL.—Sanders, Mont.—Bids are asked until noon, Sept. 3, by the Secretary of Landers, at Forsythe, Mont., for the enlargement and extension of the Sanders Canal. The approximate quantities are as follows: Excavation of and placing in embankment, 450,000 cu. yds. earth; excavation and placing in embankment, 29,260 cu. yds. loose rock; excavation and placing in embankment, 4,115 cu. yds. solid rock; excavation and placing in embankment, 18,700 cu. yds. gravel; building a tunnel 340 ft. long; building such culverts as are made necessary by the cross drainage. Henry Gerharz Engineering Co., Engrs., Billings, Mont.

*BARGE CANAL.—Albany, N. Y.—Bids are asked by F. C. Stevens, Supt. Public Works, until noon Sept. 7, for Barge Canal Contracts Nos. 22, 375 and 50. Contract No. 22 provides for the construction of new highway bridges and for the raising of existing superstructures in Onondaga, Oswego and Cayuga counties at the following points: State Ditch, Monta's bridge, Cold Spring, Jordan, Weedsport and Free Bridge; the Engineer's estimate being $107,126 and the work to be completed by April 1, 1911. Contract No. 37 is a large excavation and dredging contract, calling for the improvement of the Oswego canal from Fulton to Oswego, a distance of 9.73 miles, including also the construction of Locks 5 and 6 with adjoining dams and the removal of Battle Island and High Dams. The cost of this work is estimated at $1,683,010, and the contract must be completed by May 1, 1913. Contract No. 50 is for the construction of a storage reservoir, of an area of about six square miles, on the West Canada creek in Herkimer County about one-half mile above the village of Hinkley, which will be wiped out by the construction of the reservoir. The work must be completed within three years of the signing of the contract and is estimated to cost $1,076,000. Frank M. Williams is State Engr. Noted last week.

For other Proposal Advertisements see pages 51, 52, 53, 54, 56 of Advertisements and Construction News page 82.

GRAVEL ROAD.

New Brunswick, N. J.

Bids for the construction of a gravel road in the County of Middlesex and State of New Jersey.

Sealed bids will be received by the Board of Chosen Freeholders of the County of Middlesex and State of New Jersey on Monday, September 12, 1910, at 2:00 P. M. in the Court House, City of New Brunswick, in the County of Middlesex, for the construction of a gravel road according to plans and specifications (no partial bids will be received) on file in the office of the County Collector, No. 40 Paterson Street, New Brunswick, N. J.

The road to be improved is designated as follows:

Beginning in Spotswood at the road leading from Spotswood to the Old Bridge and Englishtown road and extending southerly to the road to Texas, N. J., a distance of 2.015 miles.

All bids must state the price for which the material will be furnished, work done and entirely completed and must be accompanied with the bidder's certified check for the sum of One Thousand ($1,000.00) dollars, payable to the County Collector of the County of Middlesex, without any conditioned endorsement as a guarantee that, if the contract should be awarded to the bidder, he will, when required by the said Board of Freeholders, execute a contract to perform the work according to the bid and plans and specifications adopted by said Board, and will also within ten days from the date of the awarding of the said contract to the said bidder give to the said Board a bond conditioned for the faithful performance of said contract in a penal sum equal to the estimated cost of the improved road with approved securities, or a bond of any surety company doing business under the law of the State of New Jersey.

And in default of presenting the said bond within ten days, said bidder shall be considered as having abandoned said contract.

The work must commence when the said Board shall determine. Bidders must be prepared to satisfy the Board of their ability to furnish the necessary materials and submit a sample of the gravel.

Contract must be completed on or before January 1, 1911.

Each bidder must endorse on the outside of the sealed envelope containing the bid, the name of the road, the length of the road to be improved, and must distinctly state in writing thereon the full names, residences and post office addresses of all parties interested in the making of said bid.

All bids must be made upon the blank proposals furnished by the County Engineer.

The right to reject any or all bids is expressly reserved by the said Board, if, in their opinion, good cause exists therefor.

PETER H. S. HENDRICKS,
Director.

Attest:
ASHER W. BISSETT, Clerk.

IMPROVING ESSEX STREET.

Hackensack, N. J.

Sealed proposals will be received by the undersigned, a Committee of the Board of Chosen Freeholders of Bergen County, N. J., at the office of the Clerk of the Board in the Court House, Hackensack, N. J., on Friday, September 2nd, at 2 P. M., for the improvement of Essex Street, from Terrace Avenue, Hackensack, to the Saddle River.

Plans and specifications can be examined and all necessary information obtained at the office of the Clerk of the Board of Freeholders, Court House, Hackensack, N. J., any day except Saturday, between the hours of 10 A. M. and 4 P. M., also at the office of the State Road Commissioner, State House, Trenton, N. J.

All bids must be presented by the bidders in person or by their agents to the undersigned committee at the above stated time and place. No bids will be received previous to the hour designated in this notice and none will be received thereafter. All bids will be unsealed and the contents publicly announced at the above mentioned hour and place. All bids must be accompanied by a certified check for $1,000 and be enclosed in a securely sealed wrapper ,endorsed

ESSEX STREET IMPROVEMENT.

A bond will be required from the successful bidder for the faithful performance of the contract.

The Committee reserves the right to reject any or all bids.

E. T. GALLOWAY,
M. HECKER,
A. V. MORRISON,
JOHN WUNSCH, JR.,
P. CELLA,
WM. O. BUSH,
H. A. HERING,
F. O. MITTAG,
J. M. BLAKENEY,
Committee.

SEWER CONSTRUCTION.

OFFICE OF THE COMMISSIONERS OF SEWERAGE OF LOUISVILLE, KY., Incorporated.

Sealed proposals for the construction of Section "F," Beargrass Intercepter, Contract No. 73, will be received at the office of the Commissioners of Sewerage, 605 Equitable Building, Louisville, Ky., until 12 o'clock, noon, September 2, 1910.

The work consists mainly of the construction of about 940 ft. of 39" reinforced concrete sewer, 1,729 ft. of 33" plain concrete sewer, 2,543 ft. of earth excavation, maximum cut 29.5 ft., minimum cut 9.5 ft., average cut about 21.2 ft., about 640 cu. yds. concrete and about 25,000 lbs. of steel.

Sealed bids should be endorsed "Proposal for Section 'F,' Beargrass Intercepter," and addressed to the Commissioners of Sewerage, Equitable Building, Louisville, Ky. Each bid must be accompanied by a certified check for at least seven per cent (7%) of the total amount of the bid, or a "Bidder's Bond," as described in the form of proposal.

Plans and specifications may be seen at the office of Harrison P. Eddy, Consulting Engineer, 14 Beacon St., Boston, Mass., or at the office of the Commissioners of Sewerage.

P. L. ATHERTON,
Chairman.

CHAS. P. WEAVER,
Secy. & Treas.
J. B. F. BREED,
Chief Engineer.

PAVING.

VILLAGE OF BRONXVILLE, WESTCHESTER COUNTY, N. Y.

Sealed proposals will be received by the Clerk of the Village of Bronxville, N. Y., until 8 o'clock P. M., September 6th, 1910, for the supplying of material and labor for the grading and paving of Midland Avenue in said Village from the boundary line of the Village of Tuckahoe to the boundary line of the City of Mount Vernon.

Each proposal must be accompanied by a certified check for $1,000, to be forfeited to the Village of Bronxville as liquidated damages, and not as a penalty, in case a person submitting a proposal shall refuse to enter into a contract in accordance with his proposal. Said check shall be returned at once to all but the successful bidder, on the letting of the contract, and shall be returned to the successful bidder with his first monthly payment.

The Village reserves the right to reject any or all proposals and to contract with other than the lowest bidder.

Proposal blanks, plans and specifications may be obtained from Chambers & Hone, Civil Engineers, No. 1 Liberty St., New York City, N. Y.

A deposit of $10 will be required for plans and specifications, which will be returned upon the return of the said plans and specifications.

Proposals should be addressed "Village Clerk of the Village of Bronxville, Bronxville, N. Y., Street Paving Proposals."

Dated, Bronxville, N. Y., August 16th, 1910.

FRANK DINSMORE,
Clerk of the Village of Bronxville.

SEWER SYSTEM.

City of Bushnell, Illinois.

Sealed bids will be received until 7 o'clock P. M., August 25, 1910, for the construction of about 33,565 lineal feet of clay pipe sanitary sewers for said city to be paid for in cash; size of pipe, 8, 10, 12, 15 inch; excavation, 6 to 16 feet. Write to the City Clerk.

W. H. DAWSON, City Clerk.

QUEBEC BRIDGE.

DEPARTMENT OF RAILWAYS AND CANALS.

TENDERS FOR SUPERSTRUCTURE.

NOTICE TO CONTRACTORS.

EXTENSION OF TIME FOR RECEIVING TENDERS.

The time for receiving tenders for the superstructure for the Quebec Bridge advertised to be received up to the 1st of September, 1910, is hereby extended for one month, viz.: up to the first of October, 1910.

By Order,
L. K. JONES,
Secretary.

Department of Railways and Canals,
Ottawa, 9th August, 1910.

Newspapers inserting this advertisement without authority from the Department will not be paid for it.

FILL WORK.

Aberdeen, Wash.

Notice is hereby given that sealed proposals will be received by the undersigned City Clerk, up to five o'clock P. M., September 28, 1910, for the improvement of the Tide Lands in Aberdeen, between Broadway and Division Streets; the Northern Pacific track and the hill, as provided by ordinance No. 940, creating filling district No. 1. The improvement contemplates the clearing of 250 acres of streets, lots and alleys, and the filling of 1,500,000 cubic yards of earth, and constructing about 4,000 feet of pipe drains. Separate bids will be received for the clearing, filling and drains. Plans, specifications, and bidding blanks are on file in the office of Charles W. Ewart, City Engineer, at the City Hall, and will be furnished on application. Each bid must be accompanied by a bond or certified check for a sum of not less than 5% of the bid, and no bid will be accepted unless accompanied by such bond or check, and upon the blanks furnished by the City Engineer.

The law only allows eight (8) hours for a day upon municipal work.

The Council reserves the right to reject any and all bids.

Bids must be endorsed on the envelope, "Bid for Tide Fill."

By order of the City Council.

P. F. CLARK, City Clerk.

PAVING.

Newark, N. J.

Sealed proposals will be received by the Committee on Roads and Assessments of the Board of Chosen Freeholders of the County of Essex, New Jersey, for grading and paving with Telford Pavement, Pleasant Valley Way, extending from Bloomfield Avenue in the Borough of Verona to Mountain Avenue in the Town of West Orange, a distance of about 4 miles.

Proposals are to be submitted to the Committee on Thursday, September 8, 1910, at 10 A. M. at the rooms of the Committee, No. 312 Court House, Newark, N. J., and at no other time or place. Plans and specifications may be seen at above office and at the office of the Commissioner of Public Roads, State House, Trenton, N. J. Each proposal to be accompanied with a certified check for $1,000 to insure the execution of the necessary contract, and is to be endorsed on the outside with the name of the bidder and the work he proposes to do.

The committee reserve the right to reject any or all bids.

WALLACE OUGHELTREE,
Director.

U. S. ENGINEER OFFICE, Montgomery, Ala., August 17, 1910.—Sealed proposals for dredging channel from Apalachicola River to Saint Andrews Bay, Fla., will be received at this office until 1 o'clock P. M., Sept. 16, 1910, and then publicly opened. Information on application. H. B. FERGUSON, Capt., Engrs.

U. S. ENGINEER OFFICE, Montgomery, Ala., August 17, 1910.—Sealed proposals for dredging at entrance to Saint Andrews Bay, Fla., will be received at this office until 1 o'clock P. M., Sept. 16, 1910, and then publicly opened. Information on application. H. B. FERGUSON, Capt., Engrs.

Situations Open

CIVIL ENGINEER WANTED, who has had five to ten years' experience in steel work and reinforced concrete. Address "H. C. 7," Engineering News, New York. 7-11

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